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<141> 1998-09-17  
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<150> US 60/056,370

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<150> US 60/060,862

<151> 1997-10-02

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<170> PatentIn Ver. 2.0

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<210> 17  
 <211> 683  
 <212> DNA  
 <213> Homo sapiens

<400> 17						
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cattgcccatt	acacaaggat	ctaacacaac	ctcttgaata	aacatcccc	ttattcagaa	180
atgccttttc	ctattttccat	attgcaactt	tgcttacaaa	tttccaatct	gtctttctgt	240
ttacagaaga	tatacaaaat	tccttttgta	tgatctcttt	atatctcttg	attttctttt	300
gtgttttgcta	ccaaagggcc	tgacacatagt	gagaagattg	tgcatgatct	gtgagctcta	360
ccacacctgg	aattagggat	caccaatatg	agaaaaaaa	ttggaggtac	aaataacatt	420
atcatatgtw	attggcatat	aaattacaga	tgtwtctatg	actaaaaacc	ctgtggatat	480
waaccmaatg	cagataawtw	taataaaaatw	twtaaaaatw	twatcmaata	atgatagtgc	540
tattcaaata	cttcaaattt	gcacagtgat	ttatttctta	aaatatgtta	acacatgtga	600
gccaatacac	tgaggctact	ggataaataa	acagattctt	gcaaaaaaaa	aaaaaaaaaa	660
actcgagggg	ggcccgtacc	ctt				683

<210> 18  
 <211> 1054  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (74)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (1014)  
 <223> n equals a,t,g, or c

<400> 18						
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ggcggtaata	accggaggag	cctcgggcct	gggcctggcc	acggcggacg	acttgtgggg	180
cagggagcct	ctgctgtgct	tctggacctg	cccaactcgg	gtggggaggc	ccaagccaag	240
aagttaggaa	acaactgcgt	tttcgcccc	gccgacgtga	cctctgagaa	ggatgtgcaa	300
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ggcatcgctg	tggctagcaa	gacgtacaac	ttaaagaagg	gccagaccca	taccttgga	420
gacttccagc	gagttcttga	tgtgaatctc	atgggcacct	tcaatgtgat	ccgcctgggt	480
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<210> 19  
 <211> 1393  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (127)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (376)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (447)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (782)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (1379)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (1382)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (1383)  
 <223> n equals a,t,g, or c

<400> 19						
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cagggcctgt	gtataaatac	cttctatttt	taatacaagc	tccactgaaa	accaccttcg	900
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annaaaaaac tcg 1393

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<210> 20
<211> 1215
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (15)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (61)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (65)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (104)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (180)
<223> n equals a,t,g, or c

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aaaaggggcy gccgc 1215

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<210> 21
<211> 2042

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<212> DNA  
<213> Homo sapiens

<400> 21

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tt						2042

<210> 22  
<211> 1872  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1871)  
<223> n equals a,t,g, or c

<400> 22

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<210> 23  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (284)  
 <223> n equals a,t,g, or c

<400> 23						
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<210> 24  
 <211> 3533  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (44)  
 <223> n equals a,t,g, or c

<400> 24						
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&lt;210&gt; 25

&lt;211&gt; 1148

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 25

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ttagtgaacc	ttggttaggtt	aaaggttgca	ttattttatac	ttgagatttt	tttcccctaa	960
ctattctgtt	ttttgtactt	taaaactatg	ggggaaatat	cactggtctg	tcaagaaaca	1020
gcagtaatta	ttactgagtt	aaattgaaaa	gtccagtgga	ccaggcattt	cttatataaa	1080
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ccctatta						1148

<210> 26  
 <211> 717  
 <212> DNA  
 <213> Homo sapiens

<400> 26						
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ctcagtgccg	cggtgtgccg	ggctgaggtc	gggctcgaaa	ccgaaagtcc	cgctccggacc	180
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cagagtcttc	tcgacatgtg	tgtgggagag	aagcgaaggg	caatcattcc	ttctcacttg	420
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<210> 27  
 <211> 1099  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1030)  
 <223> n equals a,t,g, or c

<400> 27						
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ccctggcact	gtgctgctcg	tgttcagcat	ctctctgtgg	atcattgctg	cctggaccgt	240
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gtaccatgac	cagcaggacg	taactagtaa	ctttctgggt	gccatgtggc	tcattctccat	360
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gttcctccca	agctatccac	cagtttgagg	agcgtcccag	atggaacaga	ggaaagctga	720
gtgaccaagc	caacactctg	gtggaccttt	ccaagatgca	gaatgtcatg	tatgacttaa	780
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gccagcagca	gcagcagctc	ctgtctgcc	tcacgagggc	ccgggtgtgc	agcgtggcag	960
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aaaaaaaaa	aaaaaaaaa					1099

<210> 28

<211> 941  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (864)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (897)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (938)  
 <223> n equals a,t,g, or c

<400> 28  
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<210> 29  
 <211> 756  
 <212> DNA  
 <213> Homo sapiens

<400> 29  
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 gtaagcagag gataaacaac tggaaggaga gcaagcacia agtcatcatg gcttcagcgt 180  
 ctgctcgtgg aaaccaagat aaagatgccc attttccacc accaagcaag cagagcctgt 240  
 tgttttgtcc aaaatcaaaa ctgcacatcc acagagcaga gatctcaaag attatgcgag 300  
 aatgtcagga agaaaagttt tggaagagag ctctgccttt ttctcttgta agcatgcttg 360  
 tcacccaggg actagtctac caaggttatt tggcagctaa ttctagattt ggatcattgc 420  
 ccaaagttgc acttgctggt ctcttgggat ttggccttgg aaaggtatca tacataggag 480  
 tatgccagag taaattccat ttttttgaag atcagctccg tggggctggg tttggtccac 540  
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 agaagggaga ctctcagcct tcagcttctt aaattctgtg tctgtgactt tcgaagtttt 660  
 ttaaacctct gaatttgtac acatttaaaa tttcaagtgt actttaaaat aaaatacttc 720  
 taatggaaaa aaaaaaaaaa aaaaaaaaaa actcga 756

<210> 30  
 <211> 2100  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)  
 <223> n equals a,t,g, or c

<400> 30  
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 gatgacttcc cagaatctac aggagttaaag cgaattgtcc aagccctgaa tgccaatgtg 480  
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<210> 31  
 <211> 1448  
 <212> DNA  
 <213> Homo sapiens

<400> 31  
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cggatagcat	ttggtaggta	gtgattaact	gtgaataata	aatacacaat	gaattcttma	1380
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaccccggy	ggggggccccg	ggccccaatt	1440
ccccccaa						1448

<210> 32  
 <211> 456  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (444)  
 <223> n equals a,t,g, or c

<400> 32						
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attctcaacc	taccataact	ctttcctgcc	tcaggaaactc	caataaaaaca	ttttccatcc	420
aaaaaaaaaa	aaaaaaaaaa	cccngggggg	gccccg			456

<210> 33  
 <211> 1326  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (352)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (1324)  
 <223> n equals a,t,g, or c

<400> 33						
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cacacacaca	tgtgtccata	tgtcctgcaa	tggctctggg	actattgcta	ggctaggagc	240
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atgatacgcg	ggatgatgac	cggacaccag	gcctccatgg	agactgtgac	gatgacaagt	780
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aaanaa						1326

<210> 34  
 <211> 710  
 <212> DNA  
 <213> Homo sapiens

<400> 34						
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cgacgcgatt	ggctcgcgga	gggcagaaat	tactcagcaa	acatgactat	tattagctgc	120
ttagcaacag	ctcaccaaaag	tagagagacc	accaggttag	gcaacccagt	gtgtgcatcc	180
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gatgcctttg	cgcgcacaca	cgcgcgcgca	sgcacacaca	cgaacatttg	cctcgcggta	360
gacacggggg	gaaatgtwat	atTTTTTTaa	gcgcttaaac	aattttctgaa	attcctcaaa	420
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gaacaacgcc	tcgcattaag	ataaacagaa	tggaaagtta	aagaggaaag	caaggacgtt	660
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<210> 35  
 <211> 1188  
 <212> DNA  
 <213> Homo sapiens

<400> 35						
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gttctcatca	tcgtcacctt	catccccctt	tgtttgtgga	gggcctgggc	taagcaaaaa	420
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gtgccatttg	gaggactccc	aggccaccag	gcagtggaca	gccctacctc	agtggcatca	540
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gctaccgggg	catgaagccc	cagcagcact	gcccaggcga	gcttcagcag	cagagtgcaca	660
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cttttgaaac	accacctctc	acaatttagg	cagaagctga	tatcccagaa	agactatata	1140
ttgttttttt	tttaaaaaaa	aaaaaaaaaa	awcygggggg	ggggcccc		1188

<210> 36  
 <211> 956  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> (404)  
 <223> n equals a,t,g, or c

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 ccaggaatca ctctgctagc agaatgggag ccccatccct tactatgctg ctccctcctca 180  
 aagtgcagcc cagaaggacc caggcctttg atgcacattg ggtgggtctc ccactacttt 240  
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 tccccacyag gcccaccccc acaactttct ctcaagggag gttntcccg agctggaggg 420  
 cttgcacaga ccagcagtc acaaatcat tcttctgct gtactgggccc ttaactgcct 480  
 gcaaatgtcc gagcactact gcataggatg ccagagccac cgaagataaa cacagccaag 540  
 ttttaataata ataaaaggaa aaatctcagc ctgcagaact ctggttttga cccaccatcg 600  
 gccagatgca catcttcagg gcctgttgag cactttctga aaagcagggc tcgtaataga 660  
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 agggcagggg gcaggagtca taaggagtga taacctaaac tgtgtgtagt cagcggggag 780  
 ggtctttatg tatcaggtga aatgagagcc agtaagttag ttgatcctgt cacagatata 840  
 accctgataa caccatag atacgcgaca cgtgtgtcct gccctgctt tccccatcca 900  
 acatggttct tctgttccac agacattaaa ggggctttct gcaattactt aaaaaa 956

<210> 37  
 <211> 1603  
 <212> DNA  
 <213> Homo sapiens

<400> 37  
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 tctggaatgg gcagtttcaa accgagagat gcttatagcc caaaacagct ccttggaatt 180  
 taaactacac agactgtatt ttattagctt rttaatgggt ggaacacaaa tcagcgagar 240  
 gcattacaat atgctaaaaa ttttcagcca ttgcccata atcatcaaaa agacattcag 300  
 gttttgatgg gaagccttgt gtacctgaga caagggattg agaactcacc atatgttcac 360  
 ctacttgatg caaaccagtg ggctgatatc tgtgacatct ttacacggga tgcttgtgcc 420  
 ctccctggggc tctccgtgga gtccctctct agtgtcagtt tctcagcagg ttgtgtggcg 480  
 ctgccagctt taattaacat caaagccgtg attgaacaga ggcagtgtag tggagtttgg 540  
 aaccagaaag atgaattacc tattgaagtg gaccttggta aaaagtgtg gtatcactct 600  
 atatttgcct gcccattctt tgcgcagcaa acaacagata acaatccacc catgaaattg 660  
 gtctgtggtc atatttatatc aagagatgcc ctgaataaaa tgtttaatgg tagcaaatta 720  
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 agagataact ttagtttgca atttgaagt gaaactgaat cgtgggtgca tttcagaaga 840  
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 attctaaagt taaraagtgt tcttaaaagt gatatttaac tct 1603

<210> 38  
 <211> 1089  
 <212> DNA  
 <213> Homo sapiens

<400> 38  
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cctgggtgcc aagaggcctt cctcactttc ctctgtgtga tgtgtatctg cagcctgac 180  
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gacaaagttt atctataacc tggaagacca tgagtgggtg gaaaacatgg agtccgtttt 660  
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cacacacacg cagacagaca caccgacttt gtcctttttc tcagcatcag agccagacag 840  
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caacaggcac tgccaaattc agggaaacgt ggtggccagc ttggaggatg gacattttctg 1020  
gatacacata cacatacaaa acagaaaaa ttttttaaaa gaagtttctt aaaataaaaa 1080  
aaaaaaaaa 1089

<210> 39  
<211> 629  
<212> DNA  
<213> Homo sapiens

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gaataccagt tacatcctaa gactcactgt agtgggtgagt gttgtaattt atctcgctat 180  
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agtctgtctg caagatcttc actaatgaaa gaaatcacca gtgagctgca cagattagcc 360  
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gtaattatca gtctttgctt tggagcttcc cattgtgtag ctgaraattt gtcatactcg 480  
cattataatc taaggctcca catacttaat cctgcttctc cccctttttc tttccctttc 540  
ccagcgggtc gctctgtctg atagtctgaa gactttccct gcccaatcct gataaaaattc 600  
ttgcactcgt aaccccatct cagtgtctg 629

<210> 40  
<211> 1964  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (353)  
<223> n equals a,t,g, or c

<220>  
<221> misc\_feature  
<222> (476)  
<223> n equals a,t,g, or c

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taaaacgatg gattatgatt ggcgatcatc accagttacc tcagttatt aangaacatg 360  
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23770-23770



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acaacatata atggccaaaa gcattcttatt cgcgacatca tcaatagacg atgtggaaac 780
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<210> 41
<211> 1522
<212> DNA
<213> Homo sapiens

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<220>
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<222> (1282)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1376)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1462)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1492)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1501)
<223> n equals a,t,g, or c

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<400> 41
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aggccatgga ctgtgaggtc aacaacggtt ccagcctcag ggatgagtgc atcacaaccc 180
tactggtgtt tggcttcctc caaagctgtt ctgacaacag ctcccgagc gagctggacg 240
cactgggcca cgagctgcca gtgctggctc ccagtgaggc gggctacgat gagctgcaga 300
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gaatctgcac atctgtaaat ctacacacgg tgcctttatt tccactgtgc aggttccac 1020
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<210> 42
<211> 875
<212> DNA
<213> Homo sapiens

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<400> 42
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cgtggaggag cctggagggt atccagtcaa cagaactcta gtcccaaagg ggtggccgta 240
gccaaagcca gctaccgtcc tgcctctgct ttcctgccag ggccctggtc ctcamtycct 300
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atcagtaaca acataattac aggytgggtg tggcagytca tgactgtaat ccagcactt 480
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gtagcagtaa gctacaatca caccactgca tgccagactg ggtgacagag ggagacttca 720
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gaagattgct ttgagaccag aagtttgaga ccagc 875

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<210> 43
<211> 843
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (14)
<223> n equals a,t,g, or c

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<400> 43
cccacgcggt ccgnatcgct cttccctcac ttcagagggt ggccagagct gaatacccag 60
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tttgtctgaa aatagccgaa ctgagctttt cttcaggcta tatgagaagt ctctagacag 360
tgggcaccgt cagaaagccc agagccttgt gatagctccc accctgcctg gctcagatct 420
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 <211> 489  
 <212> DNA  
 <213> Homo sapiens

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aaaaaaaa						489

<210> 45  
 <211> 534  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (470)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (477)  
 <223> n equals a,t,g, or c

<400> 45						
gaagcagtg	gtatctatga	ttatatctct	gttcattctat	atatttttga	catgtagcaa	60
cacctctcca	tcttatcaag	gaactcaact	cggtctgggt	ctccccagtg	cccagtggtg	120
gcctttgaca	ggtaggagga	tgcatgtctg	caggctattt	tgttttttgt	tacaaaactg	180
tcttttccct	tttcccctcc	acctgattca	gcattgatcc	tgtgagctgg	ttctcacaat	240
ctcctgggac	tgggctgagg	caggggcttc	gctctattct	ccctaaccat	actgtcttcc	300
tttccccttg	ccacttagca	gttatcccc	cagctatgcc	ttctccctcc	ctcccctgcc	360
ctggcatata	ttgtgcctta	tttatgctgc	aaatataaca	ttaaactatc	aagtgaaaaa	420
aaaaaaaaaa	aaaactccaa	ggggggggcg	gtaccaaat	ccccctatan	tgagtcntat	480
tacaattcac	tgggccgtcg	ttttacaacg	tcgtgaatgg	gaaaacctgg	gcgt	534

<210> 46  
 <211> 1374  
 <212> DNA  
 <213> Homo sapiens

<400> 46						
ggcacgagtc	cgggatgagc	tcagccgcgg	ccgaccactg	ggcgtgggtg	ctgggtgctca	60
gcttcgtggt	tggatgcaat	gttcttagga	tctctctccc	gtccttctca	tccttcatgt	120
ccagggtgct	gcagaaggac	gcgagcagg	agtcacagat	gagagcggag	atccaggaca	180
tgaagcagga	gctctccaca	gtcaacatga	tggacgagtt	tgccagatat	gccaggctgg	240

aaagaaagat	caacaagatg	acggataagc	tcaaaaccca	tgtgaaagct	cggacagctc	300
aattagccaa	gataaaatgg	gtgataagtg	tcgctttcta	cgtattgcag	gctgccctga	360
tgatctcact	cattttggaag	tattattctg	tcctctggtg	tgctgtgccc	agtaaatgga	420
taacccctct	agaccgcctg	gtagcctttc	ctactagagt	agcagggtgg	gttggaatta	480
cctgttggat	tttagtctgt	aacaaagtgg	tcgctattgt	gcttcatccg	ttcagctgaa	540
caggaggatg	gatacagccg	cgaggctaaa	aaacggattt	cctcttccca	gcttaaaatc	600
tgatttacac	tgttttggtt	tttaagaaac	aaaagtgcac	agtttagatt	tttttttttg	660
ttgaatatgt	ttgtttctgg	actttatgag	agagtcctat	aagaatcacg	attttctaca	720
cctgtcattg	agccaagaaa	gtccagttta	tgacacgtat	gtactagtga	acaccgtcct	780
cgatctgtac	gaaatgtgaa	atgttttaggg	acatctccat	gctgtcactt	gtgatttgcc	840
ctcttatgta	ttttgggtcat	attgccaaact	ggaaagtcaa	aattttctaa	caactttaag	900
taagtctctt	gaagacttag	tgctgttttt	aatccagttt	agaaagtaac	ttaattttaa	960
taccactact	aaaaattcga	aaatttcttc	tttaatcaca	ttcaatatgg	ttaaaaagaac	1020
aacactaatt	gacattgcgt	gggctttttc	tcctcttggt	taaaatgtca	tttgttgagc	1080
aagagtgtga	tagtattatc	tacttacttg	aggctgttaa	tttttcatta	cagtgttttg	1140
taaatgtatc	cacgagacca	tgatgcattg	ttttgtgctc	aacttggtgt	ttgtatttaa	1200
agcattttga	atgaagtgtg	ttttataagc	atttaaatatt	tatgctcttt	agaatggaac	1260
acagaaaaca	aaccttataa	gtcctgatta	atctgaacca	ataacctgtg	tgacctacaa	1320
agtataattc	tattaaatgt	tccttaaaac	aaaaaaaaaa	aaaaaaaaaa	aaaa	1374

<210> 47  
 <211> 596  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (8)  
 <223> n equals a,t,g, or c

<400> 47						
gaattcgncg	cgagattact	tggacatgaa	agaactcagg	ttcaagttta	ttcatttact	60
aagtttagtta	aatcatgtgc	cttccatgag	ccttcatttg	gtaacttgga	aaatggaaat	120
aataacacta	gtcatatata	ttctacactg	ctaccatgat	gaccaaaggg	attatagatt	180
acaatcacca	tcatttctgc	tgacagggtat	atagaaaaca	atttcattga	agaaaagtcc	240
ttacattttat	cctttttccta	atatctgcat	gggtaaacta	ataaatatag	tcattagaaa	300
acccttatta	ttattattag	ttcaatgtga	gaactgctgc	agaaaaata	tgctttataa	360
tattttcttg	aatatacata	atattcataa	attttcaaat	cattgaaaat	taccttaaaa	420
ttggaaaaaaa	tgtgcatttc	tactcatata	acagtataaa	attcctatgt	caatctcttt	480
tttttttttt	tgttttgagt	tggagtctcg	ctctgtcgcc	caggctgggc	aacagagcag	540
gacctgtgtc	taattaaaaa	aaaaaaaaaa	aaactcgagg	ggggcccggt	acccta	596

<210> 48  
 <211> 851  
 <212> DNA  
 <213> Homo sapiens

<400> 48						
cacatgaaga	cacacagtgg	tgagaagccc	ttccgctgcg	cccgtgtgct	ttatgcctct	60
cctcatctgg	ataacctgaa	acggcaccag	cgcgtccata	caggagagaa	gccctacaag	120
tgccccctct	gcccttatgc	ctgtggcaat	ctggccaacc	tcaagcgtca	tggtcgcata	180
cactctgggtg	acaaaccttt	tcggtgtagc	ctttgcaact	acagctgcaa	ccagagcatg	240
aacctcaaac	gtccatgtct	gcggcacaca	ggcgagaagc	cttccgtctgt	gccacctgcg	300
cctataccac	gggccactgg	gacaactaca	agcgccacca	gaagggtgat	ggccacgggtg	360
gggcaggagg	gcctggtctc	tctgcctctg	agggtctggc	cccacctcat	agcccacctt	420
ctgtttttgag	ctctcggggc	ccaccagccc	tggggactgc	tggcagccgg	gctgtccaca	480
cagactcatc	ctgaactagg	tccttcttcc	ccatgtttta	tacagacgga	ccagaagcca	540
cctttttctc	cccgcctggc	caggggctcc	acacagacta	acgtaggcac	tataaggacc	600
agcccaacct	catgggcggg	ggggcccata	tggaccaggg	gaccttgccct	tgactgaggc	660
acttcacgag	ctcagtgaga	agggccctgt	attcacctcc	actgccccca	ggggctgtgg	720
acaaaccggc	tgggggactg	ccagacctcc	cacctgttta	tttaacttat	ttcagtgcct	780
tataataaag	gaaacactaa	caaagccatg	tctatgctga	attggcaatg	gcaggcaatt	840

tggccttacc c

851

<210> 49  
<211> 2020  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1239)  
<223> n equals a,t,g, or c

<220>  
<221> misc\_feature  
<222> (1587)  
<223> n equals a,t,g, or c

<400> 49  
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ttatgtttgt tttgcctctt ctgtttcttg gaggagagtt gaggcttttc ttaggtgcat 120  
acacagaccc aggtgaacac gctgactgtg aacctgccct gtatccggag ctgtgctggg 180  
cactgagggg atgcaacaaa attaggagag gwtccttgct cccaacgtct acttctccta 240  
cctcaacagg ggtccagggt gcagtgaact cagttcttgg cccttgggtg aggattcatg 300  
gatgaatgaa agctagacct gatggggagg cattatgact aaataggccc agcctccttc 360  
ccttccagct ctgtcctagg agcataggcg ggaaatctga gtagagtctg actgcagttt 420  
ttgcttatga tttgtaaaag ccgtcatggg gtcaataaga aaataggggg gatggagggg 480  
gagaagccca ggactgggag aatcgacagt gccccagggg ttttcaccaa ggattttcaa 540  
gacaaactgg agtaagaatt aaagccccag aggatttaat tatcctgggt tgcaaaaagag 600  
cctcccatgc cagtaccgcc cagccttggg ggccgggaatg ctcatggccc ctgtgggtctg 660  
cttgtccttc agcccatgcc cagcagatac ctctctgact ggagacgggc tcaaagctgg 720  
attagaaagg ggagmggcac ttgtgacttt gtttgactct gtgactcact tctcgcctca 780  
caccttgttt gaactactgg actttcaact ggcttttcctt aggtcaggca agcagacagc 840  
tccccactga agaggtctgt acagtgacaa ccggggccgg cagcaaggac acagatgcag 900  
ccacagtaag gctccatcag gactgggtca gtgatggcaa caggatggcc aaggatggct 960  
ctagaacayt ctgtccatgc gtcactcccc ccagttttrt ttttagcttt ggcttcaggg 1020  
agtgcagacc atcacaaata gccacattct gctctactct ccaacatacc agattstaca 1080  
ctgttgttat ttcatgagac gtgaatgttg cagagagtgg ggggattctg gttgttaagg 1140  
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gggaatgaat ggtggtctcc ccactcccgg cagcacttta ggcagcccat aagctatgag 1320  
agaatgtgaa cgctcacctt gctccgtcac ggttctgacc taccacataa acaggaagaa 1380  
gccagtgacc ggaacagctc taggaataac aagtcagaat agaagtgtcc tttatattac 1440  
cagaaaaatat gggcttggcc taagtgcgtg tctcctaacc tgccgggggtc attccccacc 1500  
aaacacccca tactaaggag ccattgagcca cctggacatt caccttttct ttgaccatct 1560  
ggagtctggg gcaacttaag gaaggcncca cacagtgggt caggcacatt tccaagcgta 1620  
ggtgtccctg gcttttggg ccaaagctag tgttatgttc aacaacaggc cagggtctgt 1680  
ggggcactga cettgaaagt ggcaaaatgg aggtttcaca ggctgtgagg gagcaggacg 1740  
gcttgcttca tetaacaatc tcagtttctt ttaaaaaaag aaagaaagga aaagatttca 1800  
taagcaggtg tcagtggaca gtttaagyac ttaaccattt ctctttcttc ttatggatgt 1860  
gaactgtgct gtggataaat catttgtatt tcttgaatgt tctctatgac taacagttat 1920  
taagtcgggt gtgtatatgt gtaactaatg taactgcctt ttaaaatttc attacaataa 1980  
aaatgacttt gctctgaama aaaaaaaaaa aaaaactcga 2020

<210> 50  
<211> 2432  
<212> DNA  
<213> Homo sapiens

<400> 50  
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agtggcggcg atgtttgtcg gctcgggatg ggtccaggat gttactcctt cttcttttgt 120  
tgggggtctgg gcagggggcca cagcaagtcg gggcgggtca aacgttcgag tacttgaaac 180

gggagcactc	gctgtcgaa	ccctaccagg	gtgtggggcac	aggcagttcc	tcaactgtgga	240
atctgatggg	caatgccatg	gtgatgaccc	agtatatccg	ccttacccca	gatatgcaaa	300
gtaaacaggg	tgcccttgtg	aaccgggtgc	catgtttcct	gagagactgg	gagttgcagg	360
tgcacttcaa	aatccatgga	caaggaaaga	agaatctgca	tggggatggc	ttggcaatct	420
ggtacacaag	gaatcggatg	cagccagggc	ctgtgttttg	aaacatggac	aaatttgttg	480
ggctgggagt	atthttagac	acctacccca	atgaggagaa	gcagcaagag	cgggtatttc	540
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ggcctacaga	gctggggaggc	tgacacagcca	ttgtccgcaa	tcttcattac	gacaccttcc	660
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agtggaggga	ctgcattgaa	gtgcccggag	tccgcctgcc	ccgcggctac	tacttcggga	780
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aactgacagt	ggagagaacc	ccagaagagg	aaaagctcca	tcgagatgtg	ttcttgcctt	900
cagtggacaa	tatgaagctg	cctgagatga	cagctccact	gccgcccctg	agtggccttg	960
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gagttttgaa	tgcagggacc	ccgcattccc	atggttgtgc	atggggacat	ctaactcttg	1260
tctgggaagc	cacccacccc	agggcaatgc	tgctgtgatg	tgcccttccc	tgacgtcctt	1320
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agaatttcat	agcccaggct	gccgtgttgt	ttgactcaga	aggcccttct	acttcagttt	1440
tgaatccaca	aagaattaaa	aactggtaac	accacaggct	ttctgaccat	ccattcgttg	1500
ggtttttgcat	ttgacccaac	cctctgccta	cctgaggagc	tttcttttga	aaccaggatg	1560
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agcaacattt	gtcatgttgt	ctgaccatgt	ggagatgttt	ctggacttgc	tagagcctgc	1980
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ttttcttaat	ggacaagaga	cagttgctgt	tctcatgttc	caagtctgag	agcaacagac	2160
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tgccttgga	ttaaatcagt	tacaggccag	agtctccttg	gagggcctgg	aactctgagt	2340
cctcctatga	acctctgtag	cctaaatgaa	attcttaaaa	tcaccgatgg	aacaaaaaaa	2400
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aa			2432

<210> 51  
 <211> 2340  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (96)  
 <223> n equals a,t,g, or c

<400> 51						
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attagtatgc	ggacgaagcg	gcgggctgcg	cggagnagcg	tcccctgcag	ccgcggaccg	120
aggcagcgcc	ggcacctgcc	ggccgagcaa	tgccaagtga	gtacacctat	gtraaactga	180
gaagtgatgt	ctcgaggcct	tccctgcaat	ggtacacccg	agctcaaaag	aagatgagaa	240
ggcccagctt	gttattaaaa	gacatcctca	aatgtacatt	gcttgtgttt	ggagtgtgga	300
tcctttatat	cctcaagtta	aattatacta	ctgaagaatg	tgacatgaaa	aaaatgcatt	360
atgtggaccc	tgaccatgta	aagagagctc	agaaatatgc	tcagcaagtc	ttgcagaagg	420
aatgtcgtcc	caagtttggc	aagacatcaa	tggcgctgtt	atthtgcac	aggtatagcg	480
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cagagcacga	cctccctgaa	cacttgaaag	ccaagacctg	tggcgctgt	gtggttattg	660
gaagcggagg	aatactgcac	ggattagaac	tggggccacac	cctgaaccag	ttcgatgttg	720
tgataagggt	aaacagtgca	ccagttgagg	gatattcaga	acatgttgga	aataaaacta	780
ctataaggat	gacttatcca	gagggcgcac	cactgtctga	ccttgaatat	tattccaatg	840

acttatttgt	tgctgtttta	tttaagagtg	ttgatttcaa	ctggcttcaa	gcaatggtaa	900
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atgcatggct	gctatgaact	ttcagaccat	gcataatgtg	acaacggaaa	ccaagtctct	1260
cttaaagctg	gtcaaagagg	gagtgggtgaa	agatctcagt	ggaggcattg	atcgtgaatt	1320
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ccttcttgat	gtattttctc	atcctgcaga	tactttgaag	tgcaagctcat	gtttttaact	1440
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tctctgttgg	tctgccttct	gctgaaagac	tcgagaacca	accagggaag	ctgtcctgga	1920
ggctccctgt	cggagaggga	catagaatct	gtgacctctg	acaactgtga	agccaccctg	1980
ggctacagaa	accacagtct	tcccagcaat	tattacaatt	cttgaattcc	ttggggattt	2040
tttactgccc	tttcaaagca	cttaagtgtt	agatctaacg	tgttccagtg	tctgtctgag	2100
gtgactttaa	aaatcagaac	aaaacttcta	ttatccagag	tcattgggaga	gtacaccctt	2160
tccaggaata	atgttttggg	aaacactgaa	atgaaatctt	cccagtatta	taaatttgtt	2220
atttaaaaaa	aagaaacttt	tctgaatgcc	tactggcggt	gtataccagg	cagtgtgcc	2280
gtttaaaaag	atgaaaaaga	ataaaaactt	ttgaggaama	aaaaaaaaaa	aaaaactcga	2340

<210> 52  
 <211> 601  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (115)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> misc\_feature  
 <222> (184)  
 <223> n equals a,t,g, or c  
  
 <220>  
 <221> misc\_feature  
 <222> (539)  
 <223> n equals a,t,g, or c

<400> 52						
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cttttgcctt	tcccgtagcg	cccagagagag	aatgctggac	tctgcccact	tcagcgcaac	180
taangatttc	tcaagctagg	ggacaaaacga	tcagcccaat	cctgagaagg	ggggaaccaa	240
gcaccccgtc	cccattcccc	tcccctcccc	cgactaaact	cgggcgccaa	accagccct	300
tctctaacca	ccctacttcc	tcctctcctt	tctagcatgg	tggtgtatg	gacagtctga	360
cagaacagag	actgacatct	cccaatctgc	cggcccccca	cctggaacac	tacagtgttc	420
tgcatgtcac	catgaccctg	gatgtgcaaa	ctgtagtcgt	ttttgccgtg	attgtagtc	480
tcctgcttgt	caatgtcata	ctcatgtttt	tcctgggaac	gcgctgaatg	gagtccagnc	540
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a						601

<210> 53  
 <211> 359  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (343)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (347)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (349)  
 <223> n equals a,t,g, or c

<400> 53  
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 gattaacatc tttctcttga cactgagact gggttctcct gggaatgggt agttcccaag 120  
 agagtgaagt gttataaaac aatgctgcct cttctatctt gcgctttttg tttgcacaaa 180  
 ctctgggtccc tctctgtttct ctacgatgtt ttgatgcrge atgaggcagt catgagaacc 240  
 caccagatac agctgcctga tcctgaattt cccagccaac agaaccaagt gctaaaataaa 300  
 actctttttta ataagttaaa aaaaaaaaaa aaaaaaaaaa aanaaanana aaaaaaaaaa 359

<210> 54  
 <211> 1141  
 <212> DNA  
 <213> Homo sapiens

<400> 54  
 ggcacgagct gctgaggcgt gagaatggcg tcccgcgggc ggcgtccgga gcatggcgga 60  
 cccccagagc tgtttttatga cgagacagaa gcccggaat acgttcgcaa ctcacggatg 120  
 attgatatcc agaccaggat ggctgggcga gcattggagc ttcttttatct gccagagaat 180  
 aagccctgtt acctgctgga tattggctgt ggcactgggc tgagtggaaag ttatctgtca 240  
 gatgaagggc actattgggt gggcctggat atcagccctg ccatgctgga tgaggctgtg 300  
 gaccgagaga tagagggaga cctgctgctg ggggatatgg gccagggcat cccattcaag 360  
 ccaggcacat ttgatggttg catcagcatt tctgctgtgc agtggctctg taatgctaac 420  
 aagaagtctg aaaaccctgc caagcgctg tactgctttt ttgcttctct ttttctgtt 480  
 ctctgtccggg gatccccgag tgtcctgcag ctgtaccctg agaactcaga gcagtggag 540  
 ctgatcacaa cccaggccac aaaggcaggc ttctccggtg gcattggtgg agactaccct 600  
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 gagaggttcc cattaaggat gtcgaggcgg ggaatggtga ggaagagtcg ggcattgggtg 780  
 ctggagaaga aggagcggca caggcgccag ggcagggaag tcagacctga caccagtag 840  
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 ataaaaatgt tttctgcagt aaaaaaaaaa ttctctgggc cgggcgtggt ggctcacacc 1020  
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 a 1141

<210> 55  
 <211> 1560  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (8)  
 <223> n equals a,t,g, or c

<220>



<221> misc\_feature  
 <222> (1428)  
 <223> n equals a,t,g, or c

<400> 55  
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 ataataaaat tccacctttt ttcaaaatta atatagggtg agtgaagtct mccaatcatg 180  
 acrgcaragg aaatttagtg cttaaatgrac tgtgrgttac aggtacctt cactwagggg 240  
 caggcaggtt ttataaaaa accmtgtggt aatcatcmtat tgccattaag ctctattac 300  
 tagcttttaa gaccatttta taaagattat ctggtgccta attaacaaga aagaaattag 360  
 actcaggttt aagatgctgc tgggtgttctg aaattactct gaaaggtcat tcaaagaact 420  
 tcaaacttaa aatttttcat tcatgtattt attccacagt caaaataaat caaaatttaa 480  
 agctataaca tttttaaaag ataaaggaga atttgtggca cagctgcatt aacaaaacag 540  
 acaccagtct aaagtgcac actaaacagg tattctctgt tcccacggtg gaataaatac 600  
 acacaattac acataagatt tcaactaaaga taggagatga ggcaaataac cctttgaaat 660  
 tacctgcccc acaaatagag gcaggctaca ttaatttaac attttactgc aaaatggaaa 720  
 aaatcccccga ggtgactaac tcaaaactcct catttcatgc acatgacctt ggcttctgtg 780  
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 atccagaacc tccagggaaa tcaggagcac aaacacagag caaagcaccg tttctttaaa 960  
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 cagtcctctg cagcctaact catttgtttt tgggctgcca agccatgtag agggcgatca 1200  
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 ataggcctcc gaagcccatg ctctgtccaa cttctgctg aagccactaa actttagta 1500  
 catgacgccc agagtccggc ttcccgcatc cgctgccaac gcgaccgcc cagagaagga 1560

<210> 56  
 <211> 1507  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1047)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (1301)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (1507)  
 <223> n equals a,t,g, or c

<400> 56  
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 cccagacgc aggcctcat ggccagggga ggggtgcacca ggccggcccc ctgagcgacg 180  
 ctcccatga tgacgcccac gggaacttcc agtacgacca tgaggctttc ctgggacggg 240  
 aagtggccaa ggaattcgac caactcaccc cagaggaaaag ccaggccgt ctggggcgga 300  
 tcgtggaccg catggaccgc gcgggggacg gcgacggctg ggtgtcgctg gccgagcttc 360  
 gcgcgtggat cgcgcacacg cagcagcggc acatacggga ctcggtgagc gcgcctggg 420  
 acacgtacga cacggaccgc gacgggcgtg tgggttgga ggagctgcgc aacgccacct 480  
 atggccacta cgcgcccgtg gaagaatttc atgacgtgga ggatgcagag acctacaaa 540  
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ggagtgaggt	gggccactgg	gtgctgcccc	ctgccagga	ccagcccctg	gtggaagcca	900
accacctgct	gcacgaragc	gacacggaca	aggaygggcg	gctgagcaaa	gcgsaaatcc	960
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ccctgtcaca	cccccaaccc	caggagggg	ctgtcatagt	cccagaggat	aagcaatacc	1260
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agaaccgccc	caaccctccc	agctccaaat	ctgagcctcc	accacataga	ctgaaactcc	1380
cctggcccca	gccctctccc	gcctggcctg	gcctgggaca	cctcctctct	gccaggaggc	1440
aataaaagcc	agcgccggga	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	1500
aaaaaan						1507

<210> 57  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 57						
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aaacttcctt	ctgctcttcc	tggaggatct	cttttcaatt	atctattcat	catatatttc	180
ttatcttctg	tgcacaattg	acaactcttc	tttacagcac	attcctctty	attccccatct	240
cttggtttct	gattgttccc	ggggctgtgg	ataaaaccat	tctctgagaa	gctgataaag	300
aattggatga	gaaagargga	gargaaaact	ggcaggarga	tctggsccca	tgcccgcagc	360
cagcacatct	ctcttcagac	ctggtgaccc	cagccactgg	gaacctggca	ggcaccagct	420
acagtgttgg	acactgctcg	tgccgaattc				450

<210> 58  
 <211> 1147  
 <212> DNA  
 <213> Homo sapiens

<400> 58						
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tgcattctat	cattccagtt	gaaagtctgc	ttccttccag	tcatgtggct	cttcattcta	180
ctctccttgg	ctctcatctc	agatgccatg	gtcatggatg	aaaagggtcaa	gagaagcttt	240
gtgctggaca	cggcttctgc	catctgcaac	tacaatgccc	actacaagaa	tcaccccaaa	300
tactggtgce	gaggctatct	ccgtgactac	tgcaacatca	tcgccttctc	ccctaacagc	360
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aacaaagaag	acacgggctg	gtactggtgt	ggcatccagc	gggactttgc	cagggatgac	480
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tgacaactgg	ccccacacct	cagagactga	ttctgatctc	ccaggaattc	tgaaggctcc	900
tctatccttg	acaacaatca	tttgacgcca	ggtagcaacg	gcagttagtca	gaggagctat	960
gatagaccac	acccaagcaa	ggctgccctc	aaataacatc	tcaagatctt	agttcttatg	1020
cattccatca	gtcagaagtg	aagaagaggt	ggagaatctg	gattggggac	caggaaatca	1080
cttgattttt	gttagccaat	aaattcctag	ccagtgttga	atgaaaaaaa	aaaaaaaaaa	1140
aaaaaaa						1147

<210> 59  
 <211> 777

<212> DNA  
 <213> Homo sapiens

<400> 59  
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 tywcatthcc tccttggttg actgcagtca gtccctcact gccccatct cctggaagag 180  
 gagcataagc tttgcaaggc cagccacttc tctggggctca cactagttac atcaagacag 240  
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 gacctggytc cttgcacagc agargacccg gaggctgaga ggagcttgcg gttgtgtcat 360  
 agtcacctgg ccagarggaa cgtgagcccc tcccaagctg cagarggarg garcargcgt 420  
 ggctgtcagc accgaggtag cagagaatta acattcttgt cagcagagaa tgaagcagga 480  
 atataattaa aactttgccc ttggaatagc tgattcattt gaattttatt ccacacgttt 540  
 gaaagaggaa agaaaatgtg aagacttgca gcctgggtct cgctggcct gggctggccc 600  
 agctgtcagg cccggttctt ttctgagcat tcagtcact gatgttgact gagggccagg 660  
 agagaccctc accgagggtat taccatatca gcctcctatc gctgctggga gaaattacca 720  
 tgaattcagt ggcttaaaac aacacacgag cctctctgag cctaccctgg ctcagga 777

<210> 60  
 <211> 1191  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (5)  
 <223> n equals a,t,g, or c

<400> 60  
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 ggggcaagaa tcagggtgaa aatgagtgt aacaaagccc atcctgtggt cagcaccac 120  
 tggaggtggc cagcagagtg gcctcagatg ttcttgaccc tggcccagga gccccaggaca 180  
 gaggtcaaat ctaggccctt tgggtctggc ggattcatca ggcaagattc gaaaacaaga 240  
 aaacctctag aacaagaaac aatcatgtct gcagcagata cggcactgtg gccctatggc 300  
 catggcaatc gtgagcacca agagaatgag ttacagaaat atctccaata caaagacatg 360  
 catctcctgg acagtggaca gtcgctggga cacacacaca cacttcaagg ctacacaaac 420  
 ctaacagcct taaatatctg aagaaacaga atcacgacat taagttagca gagggagagg 480  
 taggctgaag cagcaggagg ccaattttat atcccacaga tttttttaaa aatgactccc 540  
 cagcaagggg tggggagaaa gccactgatt taggagagtt cttggctcag ccaaccactg 600  
 cgggttatcta cacgttttac aaaggcacrg aagtagagag gggctgcact cagcaccctc 660  
 cccagggcc gcacagccag acacggtggg ttcttctctt ttcccttctg gccttggtgg 720  
 aattcctacc acggtggcct ctgcctttgg gacaatgctt tcatgtctcat ccccggttca 780  
 aggatggagt ctgttaccat tttccagggg aaattccaag gaccagcccc gcctcattac 840  
 gttcacccca caggaagggt atctggaaag cctgtaaaac cgtactctgg gtggctgagt 900  
 ggtgtcacca agctgctttt gtgcagggt gaagcacaga caagaggga ggcagctgcc 960  
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 caaagccctt cccaggccct gcaggaagag agggagggtg aggagaggga gggagggcag 1140  
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<210> 61  
 <211> 1580  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1567)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature

&lt;222&gt; (1575)

&lt;223&gt; n equals a,t,g, or c

&lt;400&gt; 61

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accacagctt	cctggtggag	cccatcagct	gccacgcctg	gaacaaggac	cgcacccaga	180
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ccaaggtgca	cgagctcaag	gagcacaacg	ggcaggtgac	aggcatcgac	tgggccccc	300
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gctggggccc	caacgagaa	aagtttgcct	tgggcagcgg	ctctcgtgtg	atctccatct	480
gttatttcga	gcaggagaat	gactgggtgg	tttgcaagca	catcaagaag	cccatccgct	540
ccaccgtcct	cagcctggac	tggcacccca	acaatgtgct	gctggctgcc	ggctcctgtg	600
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ccccgtgggg	ctccaagatg	ccctttgggg	aactgatgtt	cgaatccagc	agtagctgcg	720
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gaaaaaaaaa	aaaaatgccc	ccaaagcact	atgctgggtca	tgaactgctt	caaaatgtgg	1500
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aactagnccg	acgcntgggt					1580

&lt;210&gt; 62

&lt;211&gt; 1117

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 62

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accctccggg	ccgggcggtt	tgccccctta	gcgccccggc	gtcgggggcg	taaaaggccg	120
gcagaaggga	ggcacttgag	aaatgtcttt	cctccaggac	ccaagtctct	tcaccatggg	180
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cactcgtgtc	cctaaggagt	gagaaaccca	tttatactct	actctcagta	tggattatta	960
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aaaaatctga	aaaactaatg	aggattatta	agctaaaacc	tgggaaatag	gaggcttwaa	1080
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&lt;210&gt; 63

&lt;211&gt; 361

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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<400> 63
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ctggactgga ttatttcagt gttgctgctt gccatcgttt taatctcctg gggctgcacg      180
atctatgctt cgatgggtgtc tgcaagacga cagctaagga agaaataccc agacaaaatc      240
tttgggacga atgaaaatth gtaactcttc tggatttaat tatctgaaaa tacagttctt      300
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g

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<210> 64
<211> 1668
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1664)
<223> n equals a,t,g, or c

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<400> 64
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gaagaaggat gtctgcaaact caacccacca tggctgcgaa cacatttgtg ttaataatgg      180
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caagaaatgc actgaaggcc caattgacct ggtctttgtg atcgatggat ccaagagtct      300
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aattttcccc aaagccgctc gagtggggct gctccagtat tccacacagg tccacacaga      420
gttcactctg agaaacttca actcagccaa agacatgaaa aaagccgtgg cccacatgaa      480
atacatggga aagggtctta tgactgggct ggccctgaaa cacatgtttg agagaagttt      540
tacccaagga gaaggggcca ggccctttcc acaagggtgc ccagagcagc catttgtgtc      600
accgacggac gggctcagga tgacgtctcc gagtgggcca gtaaaagcaa ggccaatggt      660
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tttgaagaag acaatctttt acggtctaca caaaagcttt cccattcaac aaaaccttca      960
ggaagccctt tggaaagaaa acacgatcaa tgcaaatgtg aaaaccttat aatgtttccag      1020
aaccttgcaa acgaagaagt aagaaaatta acacagcgct tagaagaaat gacacagaga      1080
atggaagccc tggaaaatcg cctgagatac agatgaagat tagaaaatcg gacacatttg      1140
tagtcattgt atcacggatt acaatgaacg cagtgcagag ccccaaagct caggctattg      1200
ttaatcaat aatgttgtga agtaaaacaa tcagtactga gaaacctggg ttgccacaga      1260
acaaagacaa gaagtataca ctaacttgta taaatttatc taggaaaaaa atccttcaga      1320
attctaagat gaatttacca ggtgagaatg aataagctat gcaaggattt ttgtaatata      1380
ctgtggacac aacttgcttc tgcctcatcc tgccttagtg tgcaatctca tttgactata      1440
cgataaagtt tgcacagtct tacttctgta gaacactggc cataggaaat gctgtttttt      1500
tgtaytgac ttaccttga tatatgtata tggatgtatg cataaaatca taggacatat      1560
gtacttgttg aacaagttgg attttttata caatattaaa attcaccact tcagagraaa      1620
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaa      1668

```

```

<210> 65
<211> 1353
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1322)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature

```

<222> (1341)

<223> n equals a,t,g, or c

<400> 65

gggtcgaccc	acgcgctccgc	ccacgcgctcc	ggatggctgc	gctgttgctg	agacacgttg	60
gtcgtcattg	cctccgagcc	cacttttagcc	ctcagctctg	tatcagaaat	gctgttcctt	120
tgggaaccac	ggccaaagaa	gagatggagc	ggttctggaa	taagaatata	ggttcaaacc	180
gtcctctgtc	tccccacatt	actatctaca	gttggctctc	tcccatggcg	atgtccatct	240
gccaccgtgg	cactgggtatt	gctttgagtg	caggggtctc	tctttttggc	atgtcggccc	300
tgttactccc	tgggaacttt	gagtcttatt	tggaaacttg	gaagtccttg	tgtctggggc	360
cagcactgat	ccacacagct	aagtttgcac	ttgtcttccc	tctcatgtat	catacctgga	420
atgggatccg	acacttgatg	tgggacctag	gaaaaggcct	gaagattccc	cagctatacc	480
agtctggagt	ggttgtcctg	gttcttactg	tgttgtcctc	tatggggctg	gcagccatgt	540
gaagaaagga	ggctcccagc	atcatcttcc	tacacattat	tacattcacc	catctttctg	600
tttgtcattc	ttatctccag	cctgggaaaa	gttctcctta	tttgtttaga	tccttttgta	660
ttttcagatc	tccttggagc	agtagagtac	ctggtagacc	ataatagtgg	aaaagggtct	720
agttttcccc	ttgtttctaa	agatgaggtg	gctgcaaaaa	ctcccccttt	ttgcccacag	780
cttgccctact	ctcggcctag	aagcagttat	tcctctctca	tattgggctt	tgatttgtgc	840
tgagggtcag	ctttttggctc	cttcttccctg	agacagtggg	aacaatgcca	gctctgtggc	900
ttctgcccctg	gggatggggc	gggttggggg	gtgggttggg	gaggctttgg	gtgccactgc	960
ctgtggggttg	ctgggcttaaa	ggacaattct	cttcattggg	gagagcccag	gccattaaca	1020
cctacacagt	gttattgaaa	gaagagaggt	gggggtggag	gggaattagt	ctgtcccagc	1080
tagagggaga	taaagagggc	tagttagtct	ttggagcagc	tgcttttgag	gagaaaaatat	1140
atagcttttg	acacgaggaa	gatctagaaa	attatcattg	aacatattaa	tggttatttc	1200
tttttcttgg	atttccagaa	aagcctctta	attttatgct	ttctcatcga	agtaatgtac	1260
ccttttttttc	tgaactgaa	ttaaatactc	attttatctt	tgaaaaaaaaa	aaaaaaaaacc	1320
tngggggggg	ccccggaccc	naattggccc	tat			1353

<210> 66

<211> 1011

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (951)

<223> n equals a,t,g, or c

<220>

<221> misc\_feature

<222> (952)

<223> n equals a,t,g, or c

<400> 66

cggaagaaaag	cagccatcca	gacatttcag	aacacgtacc	aggtgttagc	tgtgaccttc	60
aatgacacaa	gtgatcagat	tatttctggt	ggaatagaca	atgatatcaa	ggtctgggac	120
tgcgccagaa	caagctaacc	tacaccatga	gaggccatgc	agattcagtg	actggcctga	180
gtttaagttc	tgaaggctct	tatcttttgt	ccaatgcaat	ggacaataca	gttcgtgtct	240
gggatgtccg	gccatttgcc	cccaaagaga	gatgtgtaaa	gatatttcaa	ggaaatgtgc	300
acaactttga	aaagaacctt	ctgagatggt	cttgggtcacc	tgatggaagc	aaaatagcag	360
ctggctcagc	cgacagggtt	gtttatgtgt	gggataccac	aagcaggaga	atatgtata	420
agctgcccgg	ccatgctggc	tccatcaatg	aagtggcttt	ccaccctgat	gagcccata	480
ttatctcagc	atcgagtgc	aagagactgt	atatgggaga	gattcagtg	agatatggac	540
tggaaagactc	caaggccgct	tgtctttgag	acctcagact	gcataagtga	tgccaaatgt	600
tggatgtcca	ggytagcacc	ctcccttcag	atgaccattg	ctagcaagaa	acaggaggcg	660
gtggccatat	tccaaaaacc	acttctgtcc	catttcacca	ggatgactaa	ggcaagctcc	720
ctgtggcctc	taaaaaccac	ctgccagatt	tcagggactg	tttttttttt	tccttttctt	780
ttttctgtgt	ttctaattgca	ggcccaatgt	gacaaatttg	ttgggtggga	tttttttttt	840
tttttctaac	tggcttgtat	gatattttct	ttctgtattt	ctctatatca	ttttgtatta	900
aaagccaaat	agatgccttt	ttacaagarm	aaaaaaaaaa	aaaaaaaaaa	nnaaaaaaaa	960
ctgggagggg	gggcccggta	cccaaatcgc	cggatatgat	cgtaaacat	c	1011

<210> 67  
 <211> 1193  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (512)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (1167)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (1169)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (1171)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (1185)  
 <223> n equals a,t,g, or c

<400> 67  
 ggccgggagg tgcgcactgc gggcgcatcc ctgccccggc gccgtccgtg cccgcgggac 60  
 ctgacagccg ggtcagaggg cgaactgtgc tcaggccccg gctggacgca gagccagagc 120  
 tgtcccaga ggagcagagg gtccctggaaa ggaagctgaa aaaggaaacgg aagaaagagg 180  
 agaggcagcg tctgcgggag gcaggccttg tggcccagca cccgcctgcc agggcgtcgg 240  
 gggccgaact ggcctgggac tacctctgca gatgggccc aaagcacaag aactggagggt 300  
 ttcagaagac gaggcagacg tggctcctgc tgcacatgta tgacagtgc aagggttccc 360  
 atgagcactt ctccaccctg ctggcctacc tggaggggct gcaggggcgg gcccgagagc 420  
 tgacgtgtgca gaaggcggaa gcctgatgag ggagctggat gaggagggct ctgatcccc 480  
 cctgccgggg agggcccagc gcattccgaca gntgctgcag ctgctctcct agtgggttca 540  
 gcgcggggcg gggccgctgc ccagtgcagg gctgcctcag accacacagg gtgcagctcc 600  
 tccggcggtg ggggcccggg tcaccagcag ggcagcgggt gagcaagggc tttcagctcc 660  
 tccggtgtgt ggggcccggg tcaccagcag ggcagcgggt gagcaagggc tttcagctcc 720  
 cagaccctcc ttggccgggt acgctgtgac agtgatggca ggttcagtgc cttcagcgca 780  
 gagcgtggat gctctggaat caccgcgacc cctggccttg gagggacct ccagccccag 840  
 gaatctgctt tggagggaaa tgtctatatt tctaccggga atattttaga gattggggca 900  
 tgctggctcc tcccgcagc tgcaaacctg cactttccgc ctgattccc atcccctgc 960  
 gtgggcccga ttccctgggt cctgcctgag tccatcgagg ggcttggtg tggcctgttt 1020  
 tcccttgacc ccacacagcg tcattgcggg tcatggggag cccctgggtg gagcttgtgg 1080  
 agtcggatca cgtacctgtg cagaaaccgc ctctgtggct gcatttgaaa taaaaccgca 1140  
 cccagcagca aaaaaaaaaa aaaaaancnc nagggggggc ccggnacca att 1193

<210> 68  
 <211> 560  
 <212> DNA  
 <213> Homo sapiens

<400> 68  
 gaattcggga cgagttggca catgatgcaa aatgcatttc tcagagtaga ttgcagtcaa 60  
 aaatgttga aactactaag catgtgcara tagcatgcat gctgctgctg acctgccaga 120  
 tatttctccc ttccctccct tctccctcat ttattcattc attaactgat tcatcctacc 180  
 cattaataaaa attatatgta tgttttgtgc aaagcaccct actcaaggct gcggggtaca 240  
 aaagtatatc agaagccttg ggctttgacm wacttctctg tagtagtgct agatttgtgt 300

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ggatctgccac cacttactcc aggcctcttg tgacctgtgc tttgcattaa tctcttaggc 360
taagccacat accctttcat tatacaatct ttgctgatgc taaggacaga ttccaaagtg 420
ccctccttat aatttttgta tttaatgcaa agtgtaatca agaataggcc attgttaggt 480
caattgcttt tctgtattta tcttttcaaa caataataa tcagtgggat gaaaaagggc 540
cggaaaaaaa aaaaaaaaaa

```

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<210> 69
<211> 1657
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (6)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (343)
<223> n equals a,t,g, or c

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```

<400> 69
cggacngagc cgccgccggg cacttcctgt ggaggccgca gcggtgctgg gcgccgacgg 60
gcgagagcca gcgagcgagc gagcgagccg agccgagcct cccgccgtcg ccatggggcca 120
gaacgacctg atgggcacgg ccgaggactt cgccgaccag ttcttcctgt tcacaaagca 180
gtacctgccc cactgtggcg gcctctgtct gatcagcacc ttcttgaggg acggcatccg 240
tatgtggttc cagtggagcg agcagcgcg cttacatcgac accacctgga actgctgcta 300
cctgctggcc tcgtccttcg tcttctcaa cttgctggga cantgactgg ctgctcctg 360
gtgttgagca ggaacttcgt gcagtacgcc tgcttcgggc tctttggaat catagctctg 420
cagacgattg cctacagcat tttatgggac ttgaagtctt tgatgaggaa cctggccctg 480
ggaggaggcc tgttctgtct cctagcagaa tcccgttctg aagggaagag catgtttgctg 540
ggcgtcccca ccatgcgtga gagctcccc aaacagtaca tgcagctcgg aggcagggtc 600
ttgctggttc tgatgttcat gacctcctt cactttgacg ccagcttctt ttctattgtc 660
cagaacatcg tggggcacag ctctgatgat tttagtggc attggtttta aaaccaagct 720
ggctgctttg actctgttg tgtggctctt tgccatcaac gtatatctca acgccttctg 780
gaccattcca gtctacaagc ccatgcatga cttcctgaaa tacgacttct tccagaccat 840
gtcgttgatt gggggcttgc tctgtgtggt ggccctgggc cctgggggtg tctccatgga 900
tgagaagaag aaggagtggg aacagtcaca gatccctacc tgccctggta agaccctgg 960
ccgtcaagga ctggttcggg gtggattcaa caaaactgcc agcttttatg tatcctcttc 1020
ccttccccct ccttggtaaa ggcacagatg ttttgagaac tttatttgca gagacacctg 1080
agaatcaatg gcttcaggac atgggttctc ttctctctgt atcattcaag tgctcactgc 1140
atgaagactg gcttgtctca gtgtttcaac ctccaccagg ctgtctcttg gtccacacct 1200
cgctccctgt tagtgccgta tgacagcccc catcaaatga ccttggccaa gtcacggttt 1260
ctctgtggtc aagggttggt ggctgattgg tggaaagttag ggtggaccaa aggaggccac 1320
gtgagcagtc agcaccagt ctgcaccagc agcgccctcg tcctagtggg tgttcctgtt 1380
tctctgggcc ctgggtgggc tagggcctga ttcggaaga tgcctttgca gggaggggag 1440
gataagtggg atctaccaat tgattctggc aaaacaattt ctaagatttt ttgctttat 1500
gtgggaaaca gatctaaatc tcattttatg ctgtatttta tatcttagtt gtgtttgaaa 1560
acgttttgat ttttggaac acatcaaat aaataatggc gtttggtgta aaaaaaaaaa 1620
aaaaaaaaac grgggggggc ccggtaccca aatcgcc
1657

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<210> 70
<211> 711
<212> DNA
<213> Homo sapiens

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```

<400> 70
ggcacgagcg aagaccctgt tcggaccctg ccccgattcc agactcaggt agatcgctcg 60
cataccctct accgtggaca ccaggcagcc ctggggctga tggagagaga tcaggatatc 120
cccaggaggt aggggtacc ttgaggggat gatagacctc cccactccc agtgkkaactc 180
tggaaatatg aaggaaactg ggagtggaa agatttcaga gctggggaga ggagttcttc 240
ccttcaaagc cagcaactgc ctttggggaa tgtcgggggg tctctccttt ctctgcttg 300

```



tgtkargtgg	tacacagttcc	cccccttcacc	tggcggggaag	ctgtcccggga	cagactcatc	360
tcagcttttcc	cttggggcag	gatcgggggc	agcagctcca	gcagaaacag	caggatctgg	420
agcaggaagg	cctcgaggcc	acacaggggc	tgctggccgg	cgagtggggc	ccaccctct	480
ggragctggg	cagcctcttc	caggccttcg	tgaagaggga	gagccaggct	tatgcgtaag	540
cttcatagct	tctgctggcc	tgggggtggac	ccaggacccc	tggggcctgg	gtgccctgag	600
tgggtggtaaa	gtggagcaat	cccttcacgc	tccttggcca	tgttctgagc	ggccagcttg	660
gcctttgcct	taataaatgt	gctttatattt	caaaaaaaaa	aaaaaaaaaac	t	711

<210> 71  
 <211> 935  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (510)  
 <223> n equals a,t,g, or c

<400> 71	ggcacagggt	gaaagccagc	taaaccccaa	gtggagaagt	gaaagacatg	gttgttccca	60
	taagttttatt	gctcacatta	tgaaagaagc	catagtcatg	agtgaaccac	tccctagggtt	120
	gataaggaaa	ccaacacgga	agatctcttt	ctggaagaag	cagccagcct	cgtagaggag	180
	cgggcccagcc	gccggggcccg	agggtcgccct	tttgttcgga	gtggcacgat	tgtccgttcc	240
	cagacattct	cgccttgagc	acgaagccag	tatgtttgca	gactttatcg	tagtgacagc	300
	gacagttcaa	cgctgccccg	gaagtcccc	tttgtccgaa	atactttgga	aagacgaacc	360
	cttcgctata	agcagtcatg	cagggtcttcc	ctggctgagc	tcatggcccg	cacctccctg	420
	gacttgagc	tggatctcca	ggcgtcgaga	acacggcaga	ggcagctgaa	tgaggagctc	480
	tgcgcctctcc	gtgagctgcg	gcagcgggttn	ggaggacgcc	cagctccgtg	gccagactga	540
	cctcccaccc	tgggtgcttc	gggacgagcg	gctccgtggc	ctgctgcggg	agccgagcgg	600
	cagacaagac	agaccaaact	tgactaccgt	catgagcagg	cggctgagaa	gatgctgaag	660
	aaggcctcca	aggagatcta	ccagctgcgt	ggcagagcca	caaagagccc	atccaagtgc	720
	agacctttag	ggagaagata	gcattcttca	caaggccaag	gatcaacata	cctcctctcc	780
	cagccgacga	cgtctgatgg	agtgcattgt	gcacatgaag	tatttatcca	cctgttttat	840
	tttcatgaag	ttcttagact	agctgaattt	gtctttaaaa	tattttgtgca	aagctattaa	900
	tatacacatt	ttgtaaaaaa	aaaaaaaaaa	aaact			935

<210> 72  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (504)  
 <223> n equals a,t,g, or c

<400> 72	gcaggggcga	ggggytgggg	accgcggggc	ggacgggagc	gagtatgtcc	gctctgactc	60
	ggctggcgctc	tttcgctcgc	gttggaggcc	gccttttcag	aagcggctgc	gcacgggactg	120
	ctggagatgg	tggagtcctg	catgccggtg	gtgggtgtgca	cattgagccc	cggtatagac	180
	agttccccca	gctgaccaga	tcccaggtgt	tccagagcga	gttcttcagc	ggactcatgt	240
	ggttctggat	tctctggcgc	ttttggcatg	actcagaaga	ggtgctgggt	cactttccgt	300
	atcctgatcc	ttcccagtgg	acagatgaag	aattaggtat	ccctcctgat	gatgaagact	360
	gaaggtgtag	actcagcctc	actctgtaca	agagccaggt	gagaatttca	aggattatcg	420
	acttcatatt	gcacattaaa	gttacaaatt	aaagtggctt	ggtcaagaat	garaaaaaaa	480
	aaaaaaaaatt	gggggggggc	cccn				504

<210> 73  
 <211> 620  
 <212> DNA  
 <213> Homo sapiens

```

<400> 73
gaattcggca cgaggaggag gggaggcggg gtaagtttgg tgggaaactc tgtaatttcc      60
wtttttactt tcacagcaat agtgcagaat ccagaatgga tgtcctcttt gtagccatct      120
ttgctgtgcc acttatcctg ggacaagaat atgaggatga agaaagactg ggagaggatg      180
aatattatca ggtggtctat tattatacag tcaccccag ttatgatgac tttagtgcag      240
atttcaccat tgattactcc atatttgagt cagaggacag gctgaacagg ttggataagg      300
acataacaga agcaatagag actaccatta gtcttgaaac agcacgtgca gaccatccga      360
agcctgtaac tgtgaaacca gtaacaacgg aacctcagag tccagatctg aacgatgccg      420
tgtccagttt gcgaagtcct attcccctcc tcctgtctgt tgcctttgtt cagggtggga      480
tgtatttcat gtagaagggtg gaagaaggct gctatgactc tttggatggg agtctggcaa      540
gaggaaattg gaagataaaa taaataataa gtgaaataaa aaaaaaaaaa aaaaactcga      600
ggggggggccc ggtacccaat

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```

<210> 74
<211> 581
<212> DNA
<213> Homo sapiens

```

```

<400> 74
acaaggtgtg tgtaaagttt atgtttgtaa actgaattct atcttaaadc caaaaagaac      60
tcgggagtaa ttcatttttg tagcataaag atccctaagt tttattttga aatatctgat      120
ttttacacgt taaaaaataa cagggcatcg agaggattcc taggtgacat ccagactcct      180
ttagctttgt gtgtgtggca cgggttagtc tgcttctctc tcctttcttg cactgcttca      240
cacagccatg ccctgccagc cggggcaggt gccttcctgt caatgtacat ttgggcttct      300
gctcatgctg ccctccctcc cctcccctgc ctcccaaccc cgcccctttt gttcctccat      360
ggagtacttc catgggtgtg cctccccag ccaagccata atagggtggt tccccttcgc      420
ttctgtagcc cttgcagaca tcctctgttt acagtagggt ttgacttact tcccctctcc      480
ccgstaaagc cataaactcc ttaaggacag gtagcattct tagtatcttc gttcttctca      540
atgaccagta gaccattaaa catgtagcaa acaaattgtga a

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<210> 75
<211> 1843
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (10)
<223> n equals a,t,g, or c

```

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<220>
<221> misc_feature
<222> (24)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (91)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (213)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (1633)
<223> n equals a,t,g, or c

```

38

```

<400> 75
aaacccaacn ccctccgggtc ccnnaaagaa agcccagccc aaatcccaag ccggcagtgga 60
gcccgcgaac aagggccctca agacgcccag nccaacaagc agcccccagg agggcccgcga 120
agagaactcc ctggcgggccc aagcgggcag cttctgtgcg gcagaactca gccaccgaga 180
gcgcagacag catcgagatt tatgtcccgg agncccagac caggctctga gaccatgcag 240
gaggaaagaa acgattttta atcattaaaa acacaaaaac taagtgcgaa cggaacagag 300
ttttctcaac ctttgctatg gttattctgt ctagagaccc tgagccaact ttcaaattga 360
cgcatacaag ggctcacaat ttggcttttt tgggtccctc ccagctttag gttatgaaga 420
ttttactcac aaaaaaaaaatc aacaaaaaatc acgaaactag aaaacttttt ttttcctctt 480
gctggccgtg gtggactaga tagatggacg tgggcaactc ccggcccagc ctccatactg 540
cgggtcttttt actcgttcta tctgatgaga actcacacta gcttggtttac aagatgacga 600
cagtcacaag gcagccttgg gcacctggca tgtccctcct ttccccagct atccccgctc 660
tgaccttgat ttccattctt atgtttttct cttttccctt cagagctcac acagtggcca 720
ccattgtggc aagcggtctt ctgggtctca gccctctctg cgggttgaggg ccagaggac 780
agagagatgg acatgcgtcc cctccctccc ccgcgaagt gctcacacac aacctcacgc 840
gcacacacac acacgcagat ggaggcgctt cactgggagg tgccccgcca gccctgggca 900
gtgtcaggca ggactcactc accgctgagc agatgagaga agtttttagtc ttggcgggtg 960
gaaatgagac gaagccacag ttatcacact ccagactcct gcccttttat tttctccagc 1020
ccctttcttc ttccagcaaaa tctaggactc ccgagtggct tccagggggc cgtcagtcct 1080
cagccgcgcg tgtgtccggt gcccgagggg cgggcggcgg tgtctgtatg tatgtgtaca 1140
tatgcacata gaccttagag tgtatagtta acaaacgccc atctgtctac ccatgccac 1200
ccagcgcgcg cgcgcgtggc tctcggggca cctggcagga gccgggtgtg tgaatagcat 1260
atatttttac atgtactata tctagggtgt tgtacaagtg tgtgtaaaaa tatatacctt 1320
gtgtgtgaag agcccttttt ttttttggtc tccacccccc tccccccgcc ccgcactcct 1380
aagggcccat ctgcccagcc tctgagtttt ctgttctatt ttttttttaa cccaattat 1440
ccttctctct ctccctgccc cgcaccccac tcccagggtg tcacgagccc tgagctgcaa 1500
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gggcccattt ccagcttggc cgcgctctgt gaccttgggc aagtcacttg acctctgtgt 1740
gcctcaactt cctcctctgt aaaacgggga cagtcctctc ccctccctac ctcacaggca 1800
tgttgtgaga ataaatgagg taacgtgtaa aaaaaaaaaa aat 1843

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<210> 76
<211> 1441
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1056)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1081)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1109)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1328)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1362)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature

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<222> (1419)  
 <223> n equals a,t,g, or c

<400> 76

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acacgccttc	atgaaggcg	ttttcacctt	cgtcacaggc	accggcatgg	cctttggctt	180
gcagatgttc	attcagagga	agtttccata	ccctttgcag	tggagcctcc	tagtggccgt	240
ggttgccaggc	tctgtggtca	gctacggggt	gacgagagt	gagtcggaga	aatgcaacaa	300
cctctggctc	ttcctggaga	ccgggcagct	ccccaaagac	aggagcacag	atcagagaag	360
ctaggagagc	tccagcagg	gcacagagga	ttgggggcag	gaggagtctg	gaacacagcc	420
ttcatgcccc	ctgacccag	gccgacccct	cccacaccct	agggtacccc	agtcgtatcc	480
tctgtccgca	tgtktggcca	ggcctgacaa	acacctgcag	atggctgctg	ccccaacctg	540
ggacctgccc	agraggttgg	agcagaaagg	gctctccctg	gggtggtgtt	tctcctctag	600
ggtattggga	tgcatgttct	gactgccag	cagagagggt	gtgtctgggg	gccaccacct	660
atggggacacg	gggtcgaagg	ggcctgtaca	ctctgtcatt	tcctttctag	cccctgcata	720
tccaacaagt	ccaaggtgac	agctggtgct	aggggcgtgg	ggttaataaa	tggcttatcc	780
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acatactgag	gatgtacagg	gaagttccca	gcgctgaacc	ccagaattag	acgttcgcat	960
cagccccgta	ggccacgtgg	acaccaccac	agcctctctg	tatgggggtc	tgcctctgta	1020
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nagargaggg	acttgtgggs	cacgccacnt	gcctatcatt	ccccaytcac	ctattagcca	1140
aagtcactcc	ccagaggcag	agctagcccc	ttgtagccgt	gtctgtgtgg	agggaaagct	1200
tctgagtggg	caagcctaca	cacagccccg	agccccaaga	ggagggaagag	gtggagacca	1260
gacggaacct	ccacaagtcc	atcatgggta	cagctggctt	ccccgcagca	ccgaagaccc	1320
acagcatngg	ccctgctgcc	cccgaaccag	ctcagctgcc	angcctcacc	ttgccaggaa	1380
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g						1441

<210> 77  
 <211> 910  
 <212> DNA  
 <213> Homo sapiens

<400> 77

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atcggggccc	tgggaagcgc	ctgtctatcc	cgggggcagg	acctgagcgc	ccctgaccct	180
cgagcctgtc	gcaggtacaa	gcccccgccg	agcgaatgta	acccggcctt	ggacgaccgg	240
acgccggact	acatgaacct	gctgggcag	atcttcagca	tgtgcggcct	catgcttaag	300
ctgaagtggg	gtgcttgggt	cgctgtctac	tgtccttcca	tcagctttgc	caactctcgg	360
agctcggagg	acacgaagca	aatgatgagt	agcttcatgt	gagacttgcc	ctacagaaca	420
agtgaactct	gagtaagggg	tggggggacc	ccagcctggc	catcctagac	tgacacctct	480
ctcctgtctt	catgctgtcc	atctctgcgg	tgggtgatgc	ctatctgcag	aatcctcagc	540
ccatgacgcc	cccattggtga	taccagccta	gaagggtcac	atcttggacc	ctgtctatcc	600
actaggcctg	ggctttggct	gctaaacctg	ctgccttcag	ctgccatcct	ggacttccct	660
gaatgaggcc	gtctcgggtc	cccagctggg	atagaggga	cctggccctt	tcctagggaa	720
caccctaggg	ttaccctcc	tgcctccctt	cccctgcctg	ctgctggggg	agatgctgtc	780
catgtttcta	ggggatttca	ttgtctttct	cgttgaaacc	tgttggtta	aaagtttttc	840
actctgaaaa	aaaaaaaaaa	aaaaaaaaaa	tygrgggggg	gcccgggaacc	caattcscgg	900
gatagtga						910

<210> 78  
 <211> 2776  
 <212> DNA  
 <213> Homo sapiens

<400> 78

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accctgggga	gtggcagcga	gagcagcaac	gacggcgcca	gcgagagtc	aggcgacgcg	120

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ggagcggcgag cgaaagggggg aggcctgggcy gggcgggcggt tggcgcttct gacgggggggc 180
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tgggtgcgct gggggcgggcg gggctctgggg gcccggggcgg gggcgggcgga ggagagcccc 300
gccacctctc tgcctcgcat gaagaagcgg gacttcagct tggagcagct gcgccagtac 360
gacggctccc gcaacccgcy catcctgctc gcggtcaatg ggaaagtctt cgacgtgacc 420
aaaggcagca agttctacgg cccggcgggt ccatatggaa tatttgctgg tagggatgcc 480
tccagaggac tggccacatt ttgcctagat aaagatgcac ttagagatga atatgatgat 540
ctctcagatt tgaatgcagt acaaatggag agtggtcgag aatgggaaat gcagttttaa 600
gaaaaatattg attatgtagg cagactccta aaaccaggag aagaaccatc agaataaca 660
gatgaagaag ataccaagga tcacaataaa caggattgaa ctttgtaaac aaccaaagtc 720
aggggccttc agaactgcaa ttcttactcc ctttcacaga ctgtccggag tctttgggtt 780
tgattcacct gctgcgaaaa acattcaaca aattgtgtac aagataaatt aatctcacta 840
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ataattcctc aacttc

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<210> 79
<211> 1487
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (78)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (948)
<223> n equals a,t,g, or c

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<400> 79
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gcacacagcga	ccagctgggg	ggccaggacg	tgcccgtgtt	ccggaacctg	tccctgctgg	180
tggtgggtgt	cggcgccgtg	ttctcactgc	tattccacct	gggcacccgg	gagaggcgcc	240
ggccgcatgc	ggasgagcca	ggcgagcaca	ccccctgtt	ggcccctgcc	acggcccagc	300
ccctgctgct	ctggaagcac	tggtcccggt	agcsggcttt	ctaccagggtg	ggcatactgt	360
acatgaccac	caggetcatc	gtgaacctgt	cccagacctt	catggccatg	tacctcacct	420
actcgctcca	cctgcccagg	aagttcatcg	cgaccattcc	cctggtgatg	tacctcagcg	480
gcttcttgtc	ctccttcttc	atgaagccca	tcaacaagtg	cattgggagg	aacatgacct	540
acttctcagg	cctcctgggt	atcctggcct	ttgcccgtgt	ggtggcgctg	gcggagggag	600
tggtgtgtgc	cgtgtacgca	gcccgtgtgc	tgctgggtgc	tggtgtgtgc	accatcctcg	660
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agagcctgca	cccttgcccc	tcagagctct	gctgcagggc	ctgcgtgagc	ttttaccact	840
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tcctgctgtg	ggcgacccgc	ctgcgacgct	gatgagacct	gcacgcantg	gctcacagca	960
gcacgatttg	tgacagcccg	aggcggagaa	caccgaacac	ccagtgaagg	tgagggggatc	1020
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cgaagctctg	acccaggcca	cagtgcggat	gcaccttgag	gatgtcacgc	tcagtggagag	1140
acaccagaca	cagaagggtta	cgtgtgtatc	ccacttctat	gaaatgtcca	ggacagacca	1200
atccacagaa	tcaggggagag	gattcgtggg	tgccgggact	ggggaggggg	acctgggggtg	1260
gactaggtga	cataatgggg	acagggtctg	cttctgggtg	atgagaatgt	tctggaatca	1320
gatgggtatg	ctgcacggcg	tggtgaagtg	actgaacgcc	acctcactgt	aagacggtag	1380
attttgtatt	ttaccacaat	aaacaaaaca	aaacaaaacc	aaaaaaaaaa	aaaaaaaaaa	1440
aaaaaaaaag	aattcgatat	caagcttata	gataccgtcg	acctcga		1487

<210> 80  
 <211> 1563  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (14)  
 <223> n equals a,t,g, or c

<400> 80						
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gcttttggtg	cagagttttc	atcggaggca	tgagagagat	taggcttttc	tagcaacttg	180
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cttgaagttt	gtggatgaaa	attgggaagg	ttccctcaag	tccaagcttt	tgtaggaggt	360
gataaaccca	aactgttcag	aggactgcaa	atcaagtatg	tccgtggttc	agacctgtta	420
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tagttttgct	tgctttccatt	gatcagttct	ttacttgagg	cattaaatat	ctaattaaat	660
cgtgaaatgg	cagtatagtc	catgatatct	aaggagttgg	caagcttaac	aaaaccatt	720
ttttataaat	gtccatcctc	ctgcatttgt	tgataccact	aacaaaatgc	tttgtaacag	780
acttgcggtt	aattatgcaa	atgatagttt	gtgataattg	gtccagtttt	acgaacaaca	840
gattttctaaa	ttagagaggt	taacaagaca	gatgattact	atgcctcatg	tgctgtgtgc	900
tctttgaaag	gaattgacag	agactacaaa	gcaaataaga	tatactgagc	ctcaacagat	960
tgccgtgctc	tcagagtctc	tcctattttt	gtattaccca	gctttctttt	taatacaaat	1020
gttattttata	gtttacaatg	aatgcactgc	ataaaaaact	tgtagcttca	ttattgtaaa	1080
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ataaaaagtt	tcaaaaatct	atctgaattt	ggaattcttc	tggtttgttc	tttcatgttt	1320
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gtctgatttt	atttttcaaa	gttttttcat	ttatgaacac	attttcattg	gtatatattt	1500
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aaa						1563

<210> 81  
 <211> 1020  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (20)  
 <223> n equals a,t,g, or c

<400> 81  
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 ctggcccgcc tggggctggg gcgctgcctg cgcctggggc acagattcgg cggctctggg 120  
 ctgagccccg tgggcaagca gtacgcgtcc cccgcagaca gacagctggg ggcgcagtct 180  
 ggggtcgcgc tcategactg ctcttggggc aggctggacg agacaccgtt tgggaagatg 240  
 cgaggagacc acttgccgct gttgccctac ctggtggccg ccaaccccggt gaactatggc 300  
 cgccctaca gactttcttg cgtggaagcg tttgctgcca ctttctgcat cgtaggcttt 360  
 ccagaccttg ctgtcatttt gctgcggaag tttaaatggg gcaagggtct cttggacctg 420  
 aaccgccagc tcctggacaa gtacgcggcc tgcggcagcc cggaggaggt gctgcaggcg 480  
 gagcaggagt tcttggccaa tgccaaggag agccccagg aggaggagat cgatcccttc 540  
 gatgtggatt caggagaga gtttggaaac cccaacaggc ctgtggccag caccggctg 600  
 ccctcggaca ctgatgacag tgatgcgtct gaggacccag ggcctkgcgc cgagcgcgga 660  
 ggagccagca gcagctgctg tgaagaggag cagacgcagg gacggggggc tgaggccagg 720  
 gccccggctg aggtttggaa aggaatcaag aaacggcaga gagactgagg gttgcagaca 780  
 catatatatt tgaggctggg tgacgagaaa atctagagac atgagggaca taaatggggc 840  
 tggcagcctc ggctctttgc ggctgctggc aggactgagc tgtccgggtt ctccccacac 900  
 ttccagcaca gctgtgctct gtgtcctgcc tcggcgctct cgcaaatgaa gctgcaggcc 960  
 aagaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaag gggggggggc 1020

<210> 82  
 <211> 770  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (757)  
 <223> n equals a,t,g, or c

<400> 82  
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 gccgccgct cgggtcgtgg agccaggagc gacgtcaccg ccatggcagg catcaaagct 120  
 ttgattagtt tgtcctttgg aggagcaatc ggactgatgt ttttrtgct tggatgtgcc 180  
 cttccaatat acaacaaata ctggccctc tttgttctat tttttacat cttttcacct 240  
 attccatact gcatagcaag aagattagtg gatgatacag atgctatgag taacgcttgt 300  
 aaggaaactg ccattctttc tacaacgggc attgtcgtgt cagcttttgg actccctatt 360  
 gtatttgcca gagcacatct gattgagtgg ggagcttgtg cacttgttct cacaggaaac 420  
 acagtcatct ttgcaactat actaggcttt ttcttgggtc ttggaagcaa tgacgacttc 480  
 agctggcagc agtggtgaaa agaaattact gaactattgt caaatggact tcctgtcatt 540  
 tgttggccat tcacgcacac aggagatggg gcagttaatg ctgaatggta tagcaagcct 600  
 cttgggggta ttttaggtgc tcccttctca cttttattgt aagcatacta ttttcacaga 660  
 gacttgcctg aggattaaaa ggattttctc ttttggaaaa aaaaaaaaaa aaaaacycga 720  
 gggggggccc gtwccatttc scccyatatg aattccnttt ttacaatccc 770

<210> 83  
 <211> 481  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (322)





<221> misc\_feature  
 <222> (1344)  
 <223> n equals a,t,g, or c

<400> 85  
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 ggctctgtgg cagcggcgcc ggcaggactc cggcactatg agcggcttca gcaccgagga 120  
 gcgcgcgcgc ccnttctccc tggagtaccg agtcttcttc aaaaatgaga aaggacaata 180  
 tatatctcca tttcatgata ttccaattta tgcagataag gatgtgtttc acatggtagt 240  
 tgaagtacca cgctgggtcta atgcaaaaat ggagattgct acaaaggacc ctttaaacc 300  
 tattaatacaa gatgtgaaaa aaggaaaact tgcctatggt gcgaatttgt tcccgtataa 360  
 aggatatatc tggaaactatg gtgccatccc tcagacttgg gaagaccag ggcacaatga 420  
 taaacatact ggctgttgtg gtgacaatga cccaattgat gtgtgtgaaa ttggaagcaa 480  
 ggtatgtgca agaggtgaaa taattggcgt gaaagttcta ggcataattgg ctatgattga 540  
 cgaaggggaa accgactgga aagtcattgc cattaatgtg gatgatcctg atgcagccaa 600  
 ttataatgat atcaatgatg tcaaacggct gaaacctggc tacttagaag ctactgtgga 660  
 ctgggtttag aggtataagg ttctgtatgg aaaaccagaa aatgagtttg cgtttaatgc 720  
 agaattttaa gataaggact ttgccattga tattattaaa agcactcatg accattggaa 780  
 agcatttagt actaagaaaa cgaatggaaa aggaatcagt tgcataata caactttgtc 840  
 tgagagcccc ttcaagtgtg atcctgatgc tgccagagcc attgtggatg cttaccacc 900  
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 aaactaatga gatttctctg gaatacaagc tgatattgct acatcgtgtt catctggatg 1020  
 tattagaagt aaaagtagta gcttttcaaa gcttttaatt tgtagaactc atctaactaa 1080  
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<210> 86  
 <211> 2527  
 <212> DNA  
 <213> Homo sapiens

<400> 86  
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<210> 87  
 <211> 2566  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <222> (22)  
 <223> n equals a,t,g, or c

<400> 87						
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<210> 88  
 <211> 540  
 <212> DNA  
 <213> Homo sapiens

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gccggtcctc	tgttatctct	ggtctttgtg	gttgccacag	ttttcttgg	tccaggagtt	180
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gtcatgargc	tcaataaaaa	cttcaaggaa	acctcccatg	gcattggttg	gcgcagtgac	480
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<210> 89  
 <211> 1863  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1836)  
 <223> n equals a,t,g, or c

<400> 89						
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<210> 90  
 <211> 2478  
 <212> DNA  
 <213> Homo sapiens

<400> 90						
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 <211> 2058  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (69)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (161)  
 <223> n equals a,t,g, or c

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<210> 92  
 <211> 1411  
 <212> DNA  
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<220>  
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 <222> (1391)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (1403)  
 <223> n equals a,t,g, or c

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<210> 93  
 <211> 2187  
 <212> DNA  
 <213> Homo sapiens

<400> 93						
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<210> 94  
 <211> 757  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (756)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (757)  
 <223> n equals a,t,g, or c

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<210> 95  
 <211> 2394  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1783)  
 <223> n equals a,t,g, or c

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 <212> DNA  
 <213> Homo sapiens

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<210> 97  
 <211> 1419  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (517)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (539)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
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 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (676)



<223> n equals a,t,g, or c

<220>

<221> misc\_feature

<222> (912)

<223> n equals a,t,g, or c

<400> 97

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<210> 98

<211> 1830

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc\_feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc\_feature

<222> (211)

<223> n equals a,t,g, or c

<220>

<221> misc\_feature

<222> (1813)

<223> n equals a,t,g, or c

<220>

<221> misc\_feature

<222> (1830)

<223> n equals a,t,g, or c

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agaaacattaa	taaatatctc	ttgtgtagca	ccttttataaa	aaaaaaaaaa	aaaaaaaaaa	1800
aaaaaaaaaa	aancccgagg	ggggggcccn				1830

&lt;210&gt; 99

&lt;211&gt; 1145

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 99

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attacaaaag	acttcccctt	tcttggggta	tggctgtctc	agcacaatac	tcaacataac	120
tgagaaactg	atgtggctca	ggcaccctgg	ttttaattcc	ttgaggatct	ggcaattggc	180
ttacgcaaaa	ggtcaccatt	tgaggctcctg	ccttactaat	tatgtgctgc	ccaacaacta	240
aatttgaat	ttgtttttct	ctagtttgag	cagggtctga	atcttttcat	ttatttccct	300
ttttgccagc	agacagactt	gagctctgtaa	agacaagcaa	atacactgac	agaagtttac	360
catagtttct	aaaatgtaaa	aaagaaaacc	cccaaaagac	tcaagaaaat	tagaccacaa	420
attttgcatt	gttcattgta	gcactattgg	taataaaaata	acaaatgttt	gtgcattttt	480
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aggggacttt	gtcgccctgt	gcactaaaag	ggccagattt	tcagcagcca	aggacatcca	960
tacccaagtg	aatgtgatgg	gactttaaag	aagtgaactg	agacaattca	ctctggctgt	1020
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taaaggcttc	ttctctttgt	aataaagtag	aaaagctctc	ctcaaaaaaa	aaaaaaaaaa	1140
aaaaa						1145

&lt;210&gt; 100

&lt;211&gt; 734

&lt;212&gt; DNA

<213> Homo sapiens

<400> 100

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tgccctttta	tacactccta	tcatacagcac	ttccaccatg	tattacaagt	cttgacccat	180
ccctgtcgtg	actccagtaa	aagttactgt	tactagaaaa	tttttatcaa	ttaaactgaca	240
aatagtttct	ttttaaaagta	gtttcttcca	tctttattct	gactagcttc	caaaatgtgt	300
tccctttttg	aatcgagggt	tttttgtttt	gttttgtttt	ctgaaaaaat	catacaactt	360
tgtgcttcta	ttgctttttt	gtgttttgtt	aagcatgtcc	cttggcccaa	atggaagagg	420
aaatgtttta	ttaatgcctt	ttagtttaaa	taaattgaat	catttataat	aatcagtggt	480
aacaatttag	tgacccttgg	taggttaaaag	gttgccattat	ttatacttga	gatttttttc	540
ccctaactat	tctgtttttt	gtactttaaa	actatggggg	aaatatcact	ggctctgtcaa	600
gaaacagcag	taattattac	tgagttaaat	tgaaaagtcc	agtggaccag	gcattttctta	660
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ccggtaccct	atta					734

<210> 101

<211> 713

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (27)

<223> n equals a,t,g, or c

<400> 101

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ctgccccgcg	cccagtcag	accctgcgcc	cctcactcct	cccgtccat	ctgctgctgc	120
tgtgtctgct	cagtgcggcg	gtgtgccggg	ctgaggctgg	gctcgaaacc	gaaagtcctg	180
tccggaccct	ccaagtggag	accctgggtg	agccccaga	accatgtgcc	gagcccgtg	240
cttttggaga	cacgcttcac	atacactaca	cgggaagctt	ggtagatgga	cgtattattg	300
acacctccct	gaccagagac	cctctggtta	tagaacttgg	ccaaaagcag	gtgattccag	360
gtctggagca	gagtcttctc	gacatgtgtg	tgggagagaa	gcgaagggca	atcattcctt	420
ctcacttggc	ctatggaaaa	cggggatttc	caccatctgt	cccagcggat	gcagtgggtc	480
agtatgacgt	ggagctgatt	gcactaatcc	gagccaacta	ctggctaaag	ctggtgaagg	540
gcattttgcc	tctggtaggg	atggccatgg	tgccaccctc	ctgggcctca	ttgggtatca	600
cctatacaga	aaggccaata	gacccaaagt	ctccaaaaag	aagctcaagg	aagagaaacg	660
aaacaagagc	aaaaagaaat	aataaataat	aaatttttaa	aaacttaaaa	aaa	713

<210> 102

<211> 1080

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (514)

<223> n equals a,t,g, or c

<220>

<221> misc\_feature

<222> (721)

<223> n equals a,t,g, or c

<400> 102

ccgatgtgga	catcatcctg	tctatcccca	tgttcctgcg	cctgtacctg	atcgccccgag	60
tcattgctgt	gcacagaagc	tcttcaccga	tgctcgtcc	cgcagcatcg	gggccctcaa	120
caagatcaac	ttcaacaccc	gctttgtcat	gaagacgctc	atgaccatct	gccctggcac	180
tgtgctgctc	gtgttcagca	tctctctgtg	gatcattgct	gcctggaccg	tccgtgtctg	240

tgaagtcct	gaatcaccag	cccagccttc	tggtcatca	cttctgctt	ggtaccatga	300
ccagcaggac	gtaactagta	actttctggg	tgccatgtgg	ctcatctcca	tcacattcct	360
ttccattggg	tatggggaca	tggtgcccc	cacatactgt	gggaaagggtg	tctgtctcct	420
cactggcatc	atgggtgcag	gctgcactgc	ccttggtgtg	gccgtgggtgg	cccgaaagct	480
ggaactcacc	aaagcggaga	agcacgttca	taanttcattg	atggacactc	agctcaccaa	540
gcggatcaag	aatgytgcag	ccaatgtcct	tsgggaaaca	tggttaatct	ataaacacac	600
aaagytgyta	aagaagattg	accatgccaa	agtgaaggaa	accagaggaa	gttcytccaa	660
gtatccacca	gttgaggagc	gtcaagatgg	aacagaggaa	gctgagtgac	caagccaaca	720
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ccgccagctt	caactccctg	ccgctgctca	tcgccgacac	cctgcgccag	cagcagcagc	900
agctcctgtc	tgccatcatc	gaggccggg	gtgtcagcgt	ggcagtgggc	accaccaca	960
ccccaatctc	cgatagcccc	attgggggtca	gctccacctc	cttcccgacc	ccgtacacaa	1020
gttcaagcag	ttgctaaata	aatctcccca	ctccagaagc	attaaaaaaa	aaaaaaaaaa	1080

<210> 103  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<400> 103	ggcacgagag	gctttgaagc	atttttgtct	gtgctccctg	atcttcagggt	caccaccatg	60
	aagttcttag	cagtccttgg	actcttggga	gtttccatct	ttctggtctc	tgcccagaat	120
	ccgacaacag	ctgctccagc	tgacacgtat	ccagctactg	gtcctgctga	tgatgaagcc	180
	cctgatgctg	aaaccactgc	tgctgcaacc	actgcgacca	ctgctgctcc	taccactgca	240
	accaccgctg	cttctaccac	tgctcgtaaa	gacattccag	ttttacccaa	atgggttggg	300
	gatctcccca	atggtagagt	gtgtccctga	gatggaatca	gcttgagtct	tctgcaattg	360
	gtcacaaacta	ttcatgcttc	ctgtgatttc	atccaaactac	ttaccttgcc	tacgatatcc	420
	cctttatctc	taatcagttt	attttctttc	aaataaaaaa	taactatgag	caacaaaaaa	480
	aaaaaaaaaa						489

<210> 104  
 <211> 1529  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (7)  
 <223> n equals a,t,g, or c

<400> 104	gggcacnaga	tggaagctgcc	gtagcggacc	cagcacagcc	aggagcgtcc	gggatgagct	60
	cagccgcggc	cgaccactgg	gcgtggttgc	tggtgctcag	cttcgtgttt	ggatgcaatg	120
	ttcttaggat	ctctctccc	tccttctcat	ccttcattgtc	caggggtgctg	cagaaggacg	180
	cggacaggag	tcacagatga	gagcggagat	ccaggacatg	aagcaggagc	tctccacagt	240
	caacatgatg	gacgagtttg	ccagatatgc	caggctggaa	agaaagatca	acaagatgac	300
	ggataagctc	aaaacccatg	tgaaagctcg	gacagctcaa	ttagccaaga	taaaatgggt	360
	gataagtgtc	gctttctacg	tattgcaggc	tgccctgatg	atctcactca	tttggaagta	420
	ttattctgtc	cctgtggctg	tcgtgccgag	taaatggata	acctctctag	accgcctggg	480
	agcctttcct	actagagtag	caggtggtgt	tggaattacc	tggttgattt	tagtctgtaa	540
	caaagttgtc	gctattgtgc	ttcatccgtt	cagctgaaca	ggaggatgga	tacagccgcg	600
	agtaaaaaaa	cggatttctt	cttcctagct	taaaatctga	tttactactgt	tttgtttttt	660
	aagaaacaaa	agtgcatagt	ttagattttt	ttttgttga	atatgtttgt	tcttggaact	720
	tatgagatag	tcttataaga	atcacgattt	tctacacctg	tcattgagcc	aagaaagtcc	780
	agtttatgac	acgtatgtac	tagtgaacac	cgtcctcgat	ctgtacgaaa	tgtgaaatgt	840
	ttagggacat	ctccatgctg	tcactttgtg	tttgccctct	tatgtatttt	ggtcatatgt	900
	ccaactggaa	agtcacaaat	ttctaacaac	tttaagtaag	ttccttgaag	acttatgtgt	960
	gttttttaac	cagtttagaa	agtaacttaa	ttttaatacc	rtactaaaaa	attcgaaaat	1020
	ttctttctta	atcacattca	atatggttaa	aagaacaaca	ctaattgaca	ttgcgtgggc	1080
	tttttctccc	tttggtttaa	atgtcatttg	ttgagcaaga	gttgatatag	attatctact	1140
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gcattgtttt	gtgctcaact	tgtgttttgt	atttaaagca	ttttgaatga	agtgtatttt	1260
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cccagtaaag	ctgaattttc	tcactaaaa				1529

<210> 105  
 <211> 2435  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (455)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (2107)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (2435)  
 <223> n equals a,t,g, or c

<400> 105						
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gggggtctggg	cagggggccac	agcaagtctgg	ggcgggtcaa	acgttcgagt	acttgaaacg	180
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tctgatgggc	aatgccatgg	tgatgaccca	gtatatccgc	cttaccaccag	atatgcaaag	300
taaacagggt	gccttgttga	accgggtgcc	atgtttcctg	agagactggg	agttgcaggt	360
gcacttcaaa	atccatggac	aaggaaaagaa	gaatctgcat	ggggatggct	tggcaatctg	420
gtacacaaaag	grwtcggatg	cagccagggc	ctgtntttgg	gaaacatgga	caaatttgtg	480
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cggcctacag	agctgggagg	ctgcasagcc	attgtccgca	atcttcatta	cgacaccttc	660
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gaactgacag	tggagagaac	cccagaagag	gaaaagctcc	atcgagatgt	gttcttgccc	900
tcagtggaca	atatgaagct	gcctgagatg	acagctccac	tgccgcccct	gagtggcctg	960
gccctcttcc	tcactgctct	tttctccctg	ggtgttttct	gtatttgcca	tagtcatttg	1020
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gcttagctgc	atgttttcta	gttacgattt	ttggaatccc	actttgagtg	ctgaaagtgt	2040
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tactgccctg	ggattaaatc	agttacaggc	cagagtctcc	ttggaggggc	tggaactctg	2340
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaan			2435

<210> 106  
 <211> 805  
 <212> DNA  
 <213> Homo sapiens

<400> 106						
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gaatacaggt	aactaattgg	aaggagaggg	gaggtcactc	ttttgatggg	ggccctgaac	180
ctcattctgg	ttccctgctg	cgctgcttgg	tgtgaccac	ggaggatcca	ctcccaggat	240
gacgtgctcc	gtagctctgc	tgctgatact	gggtctgcga	tgacgcggcg	tgaggcctgg	300
gctgggttga	gaaggtcaca	acccttctct	gttgggtctg	cttctgctga	aagactcgag	360
aaccaaccag	ggaagctgtc	ctggaggtcc	ctgggtcggag	agggacatag	aatctgtgac	420
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caattcttga	attccttggg	gattttttac	tgccctttca	aagcacttaa	gtgttagatc	540
taacgtgttc	cagtgtctgt	ctgaggtgac	ttaaaaaatc	agaacaaaac	ttctattatc	600
cagagtcata	ggagagtaca	ccctttccag	gaataatgtt	ttgggaaaca	ctgaaatgaa	660
atcttccag	tattataaat	tgtgtattta	aaaaaaagaa	acttttctga	atgcctactg	720
gcggtgtata	ccaggcagtg	tgccagttta	aaaagatgaa	aaagaataaa	aacttttgag	780
gaacaaaaaa	aaaaaaaaaa	aaatt				805

<210> 107  
 <211> 1166  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1039)  
 <223> n equals a,t,g, or c

<400> 107						
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ggcgtccgga	gcatggcgga	ccccagagc	tggtttatga	cgagacagaa	gcccggaaat	120
acgttcgcaa	ctcacggatg	attgatatcc	agaccaggat	ggctgggcca	gcattggagc	180
ttctttatct	gccagagaat	aagccctgtt	acctgctgga	tattggctgt	ggcactgggc	240
tgagtggaa	ttatctgtca	gatgaagggc	actattgggt	gggcctggat	atcagccctg	300
ccatgctgga	tgaggctgtg	gaccgagaga	tagagggaga	cctgctgctg	ggggatatgg	360
gccagggcat	ccatttcaag	ccaggcacat	ttgatggttg	catcagcatt	tctgctgtgc	420
agtggctctg	taatgctaac	aagaagtctg	aaaaccctgc	caagcgcttg	tactgctttt	480
ttgcttctct	tttttctgtt	ctcgtccggg	gatccccagc	tgctcctgcg	ctgtaccctg	540
agaactcaga	gcagttggag	ctgatcacia	cccaggccac	aaaggcaggc	ttctccggtg	600
gcatgggtgt	agactaccct	aacagtgcc	aagcaaagaa	attctacctc	tgcttgtttt	660
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gggagtctgt	gttcaccaat	gagaggttcc	cattaaggat	gtcgaggcgg	ggaatggtga	780
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tcagacctga	cacccagtag	accggccgca	agcgcaagcc	ccgcttctaa	gtcaccacgc	900
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tttagaaaag	ttctaaggtt	ataaaaatgt	tttctgcagt	aaaaaaaaag	ttctctgggc	1020
cgggcgtggt	ggctcacanc	tgtaatccca	gcacctgggg	aggctgaggt	gggaggatca	1080
tttagggcca	ggagtttgag	acctgcctgg	gcaacataat	gaaacttcct	ttccagggag	1140
aaaaaaaaaa	aaaaaaaaaa	actcga				1166

<210> 108  
 <211> 586

<212> DNA  
<213> Homo sapiens

<400> 108  
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 tctgttgcta ctgaggcacg gggcccaggg gaagccatcc ccagacgcag gccctcatgg 120  
 ccaggggagg gtgcaccagg cggcccccct gagcgacgct ccccatgatg acgcccacgg 180  
 gaacttccag tacgaccatg aggccttctt gggacgggaa gtggccaagg aattcgacca 240  
 actcacccca gaggaagcc agggccgtct ggggcggatc gtggaccgca tggaccgcgc 300  
 gggggacggc gacggctggg tgctcgctggc cgagcttcgc gcgtggatcg cgcacacgca 360  
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<210> 109  
<211> 1134  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (418)  
<223> n equals a,t,g, or c

<220>  
<221> misc\_feature  
<222> (803)  
<223> n equals a,t,g, or c

<220>  
<221> misc\_feature  
<222> (816)  
<223> n equals a,t,g, or c

<400> 109  
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 atcattccag ttgaaagttt gcttccttcc agtcatgtgg ctcttcattc tactctcctt 180  
 ggctctcatt tcagatgccca tggatcatgga tgaaaagggtc aagagaagtt tgtgctggac 240  
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 gtggccctga aggacacagg gaaccagctc attgtcacta tgtcctgcct gaacaaanaa 420  
 gacacgggct ggtactggtg tggcatccar cgggactttg cmagggatga catggatttt 480  
 acagagctga ttgtaactga cgacaaagga accctggcca atgacttttg gtctgggaaa 540  
 gacctatcag gcaacaaaac cagaagctgc aaggctccca aagttgtccg caagctgacc 600  
 gctccaggac gtccattctc atcatttgca tactgatcac gggtttggga atcatctctg 660  
 taatcagtca tttgaccaa aggaggagaa gtcaaaggaa tagaagggtg ggcaacactt 720  
 tgaagccctt ctgcgctgtc ctgactccaa aggaaatggc tcctactgaa cagatgtgac 780  
 tgaagwtttt ttttaatttag ttncataaag tgatgnctac aacagawtaa tcaccatga 840  
 caactggccc cacacctcag agactgattc tgatctccca ggaattctga aggacctctt 900  
 atccttgaca acaatcattt gcagccaggt agcaacggcr gtagtcagag gagctatgat 960  
 agaccacacc caagcaaggc tgccctcaaa taacatctca agatcttagt tcttatgcat 1020  
 tccatcagtc agaagtgaag aagaggtgga gaatctkgat tggggaccag gaaatcactt 1080  
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<210> 110  
<211> 1333  
<212> DNA  
<213> Homo sapiens

```

<400> 110
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cggggctggg ccttggaatt tcccctggaa aatggtaaca gactccatcc ttgaccgggg 420
gatgagcatg aaggcattgt cccaaaggca gagggccaccg tggtaggaat tccaccaagg 480
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gagtgcagcc cctctctact tcygtgcctt tgtaaaacgt gtagataacc gcagtgggtg 600
gctgagccaa gaactctcct aaatcagtgg ctttctcccc accccttgct ggggagtcac 660
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tcaggagttg gagaccaacc ctggcaacat aacaagaccc tgtctctaca aaaaaaaaaa 1320
aaaaaaaaact cga 1333

```

```

<210> 111
<211> 1015
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1014)
<223> n equals a,t,g, or c

```

```

<400> 111
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caaggaggtg gaggaacggc cggcaccac cccgtgggct ccaagatgcc ctttggggaa 120
ctgatgttcg aatccagcag tagctgcggc tgggtacatg gcgtctgttt ctccagccagc 180
gggagcccgcg tggcctgggt aagccacgac agcaccgtct gcctggctga tgcgcacaag 240
aagatggccg tcgcgactct ggccctctgaa acactaccac tgctggcgct gaccttcac 300
acagacaaca gcctgggtggc agcgggccac gactgcttcc cgggtgctgtt cacctatgac 360
gccgcccgcg ggatgctgag cttcggcggg cggctggacg ttcctaagca gagctcgcag 420
cgtggcctga cggcccgcga gcgcttccag aacctggaca agaaggcgag ctccgagggt 480
ggcacggctg cgggcgcggg cctagactcg ctgcacaaga acagcgtcag ccagatctcg 540
gtgctcagcg gcggcaaggc caagtgtcg cagttctgca ccactggcat ggatggcgcc 600
atgagtatct gggatgtgaa gagcttgagg tcagccttga aggacctcaa gatcaaatga 660
cctgtgagga atatgttgcc ttcatcctag ctgctgggga agcggggaga ggggtcaggg 720
aggctaattg ttgctttgct gaatgtttct ggggtaccaa tacgagttcc cataggggct 780
gctccctcaa aaagggaggg gacagatggg gagcttttct tacctattca aggaatacgt 840
gcctttttct taaatgcttt catttattga aaaaaaaaaa aaatgcccc aaagcactat 900
gctgggtcatg aactgcttca aaatgtggag gtaataaaat gcaactgtgt aaaaaaaaaa 960
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aacnc 1015

```

```

<210> 112
<211> 711
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (345)
<223> n equals a,t,g, or c

```



```

<400> 112
ggcacgagcg aagaccctgt tcggaccctg ccccgattcc agactcaggt agatcgctcg 60
cataccctct accgtggaca ccaggcagcc ctggggctga tggagagaga tcaggatatcc 120
cccagggagt aggggctacc ttgaggggat gatagacctc ccccaactccc agtgkkactc 180
tggaaatatg aaggaactag ggagtggaaag agatttcaga gctggggaga ggagtctctc 240
ccttcaaagc cagcaactgc ctttggggaa tgtcgggggg tctctccttt ctctgcttg 300
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agcaggaagg cctcgaggcc acacaggggc tgctggccgg cgagtgggcc ccacctctc 480
ggragctggg cagcctcttc caggccttcg tgaagaggga gagccaggct tatgcgtaag 540
cttcatagct tctgctggcc tggggtggac ccaggacccc tggggcctgg gtgccctgag 600
tgggtggtaaa gtggagcaat cccttcacgc tccttggcca tgttctgagc ggccagcttg 660
gcctttgcct taataaatgt gctttatttt caaaaaaaaaa aaaaaaaaaac t 711

```

```

<210> 113
<211> 1076
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1029)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (1037)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (1040)
<223> n equals a,t,g, or c

```

```

<400> 113
ggcacgaggg gaaagccatg ctcccaggac tccttccttg cagccttaaa tcggtctgta 60
cggaataatt cgcgccttag aaacccacgc ttgggtgtaa cttattattg ttcttcctga 120
cctacttccct gtttatcaact tccgggttca tcattttggc atttcggtga tcgggttgga 180
actattgaag cccgctttca ggttcttttc cccatttttc ctttgaaagg aagacttctg 240
gcttctccta aatctccgtt ctctgggtaa ggggagtcca agcctctgtc atgaggaacg 300
gaaatgcgag ggctcgggt gttactctaa aatccgccct cagcttgcac gccggaagct 360
gcgattccctg cagcggaaga ggcgatgatc ggccttcgac tcgctatgtc cactaacaat 420
atgtcggacc cacggaggcc gaacaaagtg ctgaggtaac agccccgcc gagcgaatgt 480
aaccggccct tggacgacct gacgccggac tacatgaacc tgctgggcat gatcttcagc 540
atgtcgggcc tcatgcttaa gctgaagtgg tgtgcttggg tcgctgtcta ctgctccttc 600
atcagctttg ccaactctcg gagctcggag gacacgaagc aaatgatgag tagcttcatg 660
ctgtccatct ctgcccgtgg gatgtcctat ctgcagaatc ctcagcccat gacgccccca 720
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ccctcctgcc tcccttcccc tgccctgctgc tgggggagat gctgtccatg tttctagggg 960
tattcatttg ctttctcggt gaaacctgtt gttataaaag tttttcactc tgaaaaaaa 1020
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```

```

<210> 114
<211> 1525
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature

```

<222> (78)  
 <223> n equals a,t,g, or c

<400> 114  
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 gcatcagcga ccagctgggg ggccaggacg tgcccgtgtt ccggaacctg tccctgctgg 180  
 tgggtgggtgt cggcgccgtg ttctcactgc tattccacct gggcaccocgg gagaggcgcc 240  
 ggccgcgatgc ggagagacca ggcgagcaca cccccctgtt ggccccctgcc acggcccagc 300  
 ccctgctgct ctggaagcac tggctccggg agcsggcttt ctaccagggtg ggcatactgt 360  
 acatgaccac caggctcatc gtgaacctgt cccagacctg catggccatg tacctcacct 420  
 actcgctcca cctgccccaa aagttcatcg cgaccattcc cctgggtgatg tacctcagcg 480  
 gcttcttgtc ctcccttcctc atgaagccca tcaacaagtg cattggggagg aacatgacct 540  
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 gcctggaccc caccgtgggt ggcagcaggg ctgcccggca ggcttgggtg actctgctgg 1440  
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 aaaaaaaaaa aaaccaccg tccgc 1525

<210> 115  
 <211> 1350  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (15)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (1343)  
 <223> n equals a,t,g, or c

<400> 115  
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 ggctctgttg cagcggcgcc ggcaggactc cggcactatg agcggcttca gcaccgagga 120  
 gcgcgcgcg ccttctccct ggagtaccga gtcttctcca aaaatgagaa aggacaatat 180  
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 ggatatactt ggaactatgg tgccatccct cagacttggg aagacccagg gcacaatgat 420  
 aaacatactg cctgttgttg tgacaatgac ccaattgatg tgtgtgaaat tggaagcaag 480  
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 gcatttagtga ctaagaaaac gaatggaaaa ggaatcagtt gcatgaatac aactttgtct 840  
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20141015 15:55:03

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<210> 116  
 <211> 2527  
 <212> DNA  
 <213> Homo sapiens

<400> 116						
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gcagagagca	accaatgtca	cctaccaagc	ccatcatgtc	agcaggaaca	agagagggtca	180
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gcatgtttgt	gaacagagggtg	atgtcaaagg	actctacaaa	aaagcccggg	caggagaaat	600
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<210> 117  
 <211> 1098  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (88)  
 <223> n equals a,t,g, or c

<220>  
 <221> misc\_feature  
 <222> (89)  
 <223> n equals a,t,g, or c

<400> 117  
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 cttgggtgccc cttcaagacc tattgaagat gaccaagaag tatatgatga tgttgcagag 180  
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 gtttcatcac cagagatgag tcaaggaaact aatgttggaa aagctaagac agaagaaaag 420  
 gaccttaaga agctaaaaaa gcagraaaaa gaaraaaaaa acttcaggaa aaaattttaa 480  
 tatgatgggtg aaattagagt cctatattca actaaagtta caacttccat aactttctaa 540  
 aagtgggggaa ccagagatct acaggtaaaa cctggtgaat ctctagaagt tatacaaacc 600  
 acagatgaca caaaagttct ctgcagaaat gaagaaggga aatatggtta tgtccttcgg 660  
 agttacctag cggacaatga tggagagatc tatgatgata ttgctgatgg ctgcatctat 720  
 gacaatgact agcactcaac tttggtcatt ctgctgtgtt cattaggtgc caatgtgaag 780  
 tctggatttt aattggcatg ttattgggta tcmagaaaaa taatgcacar aaccacttat 840  
 tatcattttgt tatgaaatcc caattatctt tacaaaagtgt ttaaagtttg aacatagaaa 900  
 ataattctctc tgccttaattg ttatctcaga agactacatt agtgagatgt aagaattatt 960  
 aaatattcca tttccgcttt ggctacaatt atgaagaagt tgaaggtaact tcttttagac 1020  
 caccagtaaa taatcctcct tcaaaaaata aaaataaaaa aaaaaaaaaa aaactcgagg 1080  
 ggggggcccg tacccaat 1098

<210> 118  
 <211> 1679  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1679)  
 <223> n equals a,t,g, or c

<400> 118  
 tcgaaccacg cgtccggcga gatecctacc gcagtagccg cctctgccgc cgcggagctt 60  
 cccgaacctc ttcagccgcc cggagccgct cccggagccc ggccgtagag gctgcaatcg 120  
 cagccgggag cccgcagccc gcgccccgag cccgcgcgcg cccttcgagg gcgccccagg 180  
 ccgcgccatg gtgaagggtga cgttcaactc cgctctggcc cagaaggagg ccaagaagga 240  
 cgagcccaag agcgcgcgagg aggcgctcat catccccccc gacgcgcgctg cgggtggactg 300  
 caaggaccca gatgatgtgg taccagttgg ccaaagaaga gcctggtgtt ggtgcatgtg 360  
 ctttggacta gcatttatgc ttgcaggtgt tattctagga ggagcatact tgtacaaata 420  
 ttttgcactt caaccagatg acgtgtacta ctgtggaata agtacatca aagatgatgt 480  
 catcttaaat gagccctctg cagatgcccc agctgctctc taccagacaa ttgaagaaaa 540  
 tattaataatc tttgaagaag aagaagttga atttatcagt gtgcctgtcc cagagtttgc 600  
 agatagtgat cctgccaaca ttgttcatga ctttaacaag aaacttacag cctatttaga 660  
 tcttaacctg gataagtgt atgtgatecc tctgaacact tccattgtta tgccaccag 720  
 aaacctactg gatttactta ttaacatcaa ggctggaacc cattggaacc attgatcacc tgggtttctt 780  
 gattcatgag cacatgggta ttactgatcg cattgaaaac attgatcacc tgggtttctt 840  
 tattttatcga ctgtgtcatg acaaggaaac ttacaaactg caacgcagag aaactattaa 900  
 aggtattcag aaacgtgaag ccagcaattg tttcgcaatt cggcattttg aaaacaaatt 960  
 tgccgtggaa actttaattt gttcttgaac agtcaagaaa aacattattg aggaaaatta 1020  
 atatcacagc ataaccacac cctttacatt ttgtgcagtg attatttttt aaagtcttct 1080  
 ttcatgtaag tagcaaacag ggctttacta tcttttcatc tcattaattc aattaaaacc 1140  
 attaccttaa aatttttttc tttcgaagtg tgggtgtctt tatatttgaa ttagtaactg 1200  
 tatgaagtca tagataatag tacatgtcac cttaggtagt aggaagaatt acaatttctt 1260

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taaatcattt atctggattt ttatgtttta ttagcatttt caagaagacg gattatcttag 1320
agaataatca tatatatgca tacgtaaaaa tggaccacag tgacttattt gtagttgtta 1380
gttgccctgc tacctagttt gtttagtgcac ttgagcacac attttaattt tcctctaatt 1440
aaaatgtgca gtattttcag tgtcaaatat atttaactat ttagagaatg atttccacct 1500
ttatgtttta atatcctagg catctgctgt aataatattt tagaaaatgt ttggaattta 1560
agaaataact tgtgttacta atttgtataa cccatatctg tgcaatggaa tataaatatc 1620
acaaagttgt ttaamwaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaan 1679

```

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<210> 119
<211> 1411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1391)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (1403)
<223> n equals a,t,g, or c

```

```

<400> 119
ggcacaggag cgacccggga gaaggagggc camgakgcgg aagcggagga gtctccagga 60
gacccgggga cagcatcgcc caggcccctg tttgcaggcc ttccagatat atccatctca 120
caagacatcc ccgtagaagg agaaatcacc attcctatga gatctcgcat ccgggagttt 180
gacagctcca cattaaatga atctgttcgc aataccatca tgcgtgatct aaaagctggt 240
gggaaaaaat tcatgcatgt tttgtaccga aggaaaagta atactctttt gagagattgg 300
gatttgtggg gccctttgat cctttgtgtg acactcgcat taatgctgca aagagactct 360
gcagatagtg aaaaagatgg agggccccc aa tttgcagagg tgtttgtcat tgtctggttt 420
ggtgcagtta ccataccct caactcaaaa cttcttggag ggaacatata tttttttcag 480
agcctctgtg tgcgtgggta ctgtataact cccttgacag tagcaatgct gatttgcagg 540
ctgggtacttt tggctgatcc aggacctgta aacttcattg ttcggctttt tgtggtgatt 600
gtgatgtttg cctggtctat agttgcctcc acagctttcc ttgctgatag ccagcctcca 660
aaccgcagag ccctagctgt ttatcctgtt ttcctgtttt actttgtcat cagttggatg 720
attctcacct ttactcctca gtaaatcagg aatgggaaa taaaaaccag tgaattgaaa 780
gcacatctga aagatgcaat tcaccatgga gctttgtctc tggcccttat ttgtctaatt 840
ttggagggtat ttgataactg atagagtgag gagattaaaa gggagccata tagcactgtc 900
accccttatt tgaggaaactg atgtttgaaa ggctgttctt ttctctctta atgtcatttc 960
tttaaaaaata catgtgcata ctacacacag tatataatgc ctctttaagg catgatggag 1020
tcaccgtggt ccatttgggt gacaaccagt gacttgggaa gcacatagat acatcttaca 1080
agttgaaatag agttgataac tattttcagt tttgagaata ccagttcagg tgcagctctt 1140
aaacacattg ccttatgact attagaatat gcctctcttt tcataaataa aaatacatgg 1200
tctatatcca ttttctttta tttctctctc ttaagcttaa aaaggcaatg agagagggtta 1260
ggagtggggt catacacgga gaatgagaaa acatgcatta accaatattc agattttgat 1320
caggggaaat tctayacttg ttgcaaaaaa aaaaaaaaaa aaactcgagg ggggcccggt 1380
acccaatcgc ngtatatgat cgnaaacaat c 1411

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<210> 120
<211> 2223
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (338)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (2206)
<223> n equals a,t,g, or c

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<220>  
 <221> misc\_feature  
 <222> (2209)  
 <223> n equals a,t,g, or c

<400> 120  
 cctccggaag cgtttccaac tttccagaag tttctcggga cgggcaggag ggggtgggga 60  
 ctgccatata tagatcccgg gagcagggga gcgggctaag agtagaatcg tgtcgcggct 120  
 cgagagcgag agtcacgtcc cggcgctagc cagcccagacc caggcccacc gtggtgcacg 180  
 caaaccactt cctggccatg cgctccctcc tgcttctcag cgccttctgc ctccctggagg 240  
 cggccctggc cgccgaggtg aagaaacctg cagccgcagc agctcctggc actgcggaga 300  
 agttgagccc caaggcggcc acgcttgccg agcgcagncg gcctggcctt cagcttgtag 360  
 caggccatgg ccaaggacca ggcagtggag aacatcctgg tgtcaccctg ggtgggtggcc 420  
 tcgtcgtggt ggctcgtgtc gctgggcggc aaggcgacca cggcgtcgca ggccaaggca 480  
 gtgctgagcg ccgagcagct gcgcgacgag gaggtgcacg ccggcctggg cgagctgctg 540  
 cgctcactca gcaactcsac ggcgcgcaac gtgacctgga agctgggcag ccgactgtac 600  
 ggaccagct cagtgcgctt cgctgatgac ttcgtgcgca cagcaagcag cactacaact 660  
 gcgagcactc caagatcaac ttccgcgaca agcgcacgcg ctgcagtcca tcaacgagtg 720  
 ggccgcgcag accaccgacg gcaagctgcc cgaggtcacc aaggacgtgg agcgcacgga 780  
 cggcgccctg ytagtcaacg ccatgttctt caagccacac tgggatgaga aattccacca 840  
 caagatgggt gacaaccgtg gcttcatggt gactcgggtc tatacygtgg gtgtcatgat 900  
 gatgcaccgg acaggcctct acaactacta cgacgacgag aaggaaaagc tgcaaactcg 960  
 ggagatgcc ctggcccaca agctctccag cctcatcatc ctcatgcccc atcacgtgga 1020  
 gcctctcgag cgccttgaaa agctgctaac caaagagcag ctgaagatct ggatggggaa 1080  
 gatgcagaag aaggctgttg ccatctcctt gcccaagggt gtggtggagg tgacctatga 1140  
 cctgcagaaa cacctggctg ggctgggcct gactgaggcc attgacaaga acaaggccga 1200  
 cttrtcacgc atgtcaggca agaaggacct gtacctggcc agcgtgttcc acgccaccgc 1260  
 ctttgagttg gacacagatg gcaaccctt tgaccaggac atctacgggc gcgaggagct 1320  
 gcgcasccea agctgttcta cgccgaccac ccttcatct tcctagtgcg ggacacccaa 1380  
 agcggctccc tgctattcat tgggcgcctg gtccggccta aggggtgaca gatgcgagac 1440  
 gagttatagg gcctcagggt gcacacagga tggcaggagg catccaaagg ctccctgagac 1500  
 acatgggtgc tattggggtt gggggggagg tgagggtacca gccttggaata ctccatgggg 1560  
 tgggggtgga aaarcagacc ggggttcccc tgtgcctgag cggaccttcc cagctagaat 1620  
 tcactccact tggacatggg cccagatac catgatgctg agcccggaaa ctccacatcc 1680  
 tgtgggacct gggccatagt cattctgcct gccctgaaag tcccagatca agcctgcctc 1740  
 aatcagatatt catatttata gccagggtacc ttctcacctg tgagaccaaa ttgagctagg 1800  
 ggggtcagcc agccctcttc tgacactaaa acacctcagc tgcctcccca gctctatccc 1860  
 aacctctccc aactataaaa ctagggtgctg cagcccctgg gaccaggcac cccagaatg 1920  
 acctggccgc agtgaggcgg attgagaagg agctcccagg aggggcttct gggcagactc 1980  
 tggtaagaa gcatcgtgtc tggcggtgtg gggatgaact ttttgttttg tttcttctct 2040  
 ttttagttct tcaaagatag ggaggggaagg gggaacatga gcctttgttg ctatcaatcc 2100  
 aagaacttat ttgracattt tttttttcaa taaaactttt ccaatgacaa aaaaaaaaaa 2160  
 aaaaaaaaaa mwmgggsgg gccgctccta gagggatccc tccganggng cccaatcgaa 2220  
 aat 2223

<210> 121  
 <211> 31  
 <212> PRT  
 <213> Homo sapiens

<400> 121  
 Met Lys Lys Gln Ser Lys Arg Cys Leu Trp Lys Pro Pro Gly Ser Leu  
 1 5 10 15  
 Arg Arg Leu Trp Trp Met Arg Ala Leu Leu Ile Leu Lys Tyr Ile  
 20 25 30

<210> 122  
 <211> 198  
 <212> PRT  
 <213> Homo sapiens

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (29)

&lt;223&gt; Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

&lt;400&gt; 122

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Met Lys Lys Ser Leu Glu Asn Leu Asn Arg Leu Gln Val Met Leu Leu
 1          5          10          15
His Leu Thr Ala Ala Phe Leu Gln Arg Ala Gln His Xaa Phe Asp Tyr
          20          25          30
Lys Asp Glu Ser Gly Phe Pro Lys Pro Pro Ser Tyr Asn Val Ala Thr
          35          40          45
Thr Leu Pro Ser Tyr Asp Glu Ala Glu Arg Thr Lys Ala Glu Ala Thr
          50          55          60
Ile Pro Leu Val Pro Gly Arg Asp Glu Asp Phe Val Gly Arg Asp Asp
          65          70          75          80
Phe Asp Asp Ala Asp Gln Leu Arg Ile Gly Asn Asp Gly Ile Phe Met
          85          90          95
Leu Thr Phe Phe Met Ala Phe Leu Phe Asn Trp Ile Gly Phe Phe Leu
          100          105          110
Ser Phe Cys Leu Thr Thr Ser Ala Ala Gly Arg Tyr Gly Ala Ile Ser
          115          120          125
Gly Phe Gly Leu Ser Leu Ile Lys Trp Ile Leu Ile Val Arg Phe Ser
          130          135          140
Thr Tyr Phe Pro Gly Tyr Phe Asp Gly Gln Tyr Trp Leu Trp Trp Val
          145          150          155          160
Phe Leu Val Leu Gly Phe Leu Leu Phe Leu Arg Gly Phe Ile Asn Tyr
          165          170          175
Ala Lys Val Arg Lys Met Pro Glu Thr Phe Ser Asn Leu Pro Arg Thr
          180          185          190
Arg Val Leu Phe Ile Tyr
          195

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&lt;210&gt; 123

&lt;211&gt; 39

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 123

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Met His Asn Gln Arg Gln Val Phe Leu Phe His Leu Phe Ser Asn Tyr
 1          5          10          15
Leu Leu Ser Ile Asn Ser Val Pro Gly Thr Leu Leu Ala Ala Thr Tyr
          20          25          30
Cys Leu Asn Met Thr Tyr Gly
          35

```

<210> 124  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<400> 124  
 Met Arg Lys Lys Phe Leu Leu Ala Gln Val Phe Leu Ser Leu Ser Val  
 1 5 10 15  
 Met Pro Ser Met Pro Val Thr  
 20

<210> 125  
 <211> 110  
 <212> PRT  
 <213> Homo sapiens

<400> 125  
 Met Val Leu Leu Cys Leu Leu Leu Val Pro Leu Leu Leu Ser Leu Phe  
 1 5 10 15  
 Val Leu Gly Leu Phe Leu Trp Phe Leu Lys Arg Glu Arg Gln Glu Glu  
 20 25 30  
 Tyr Ile Glu Glu Lys Lys Arg Val Asp Ile Cys Arg Glu Thr Pro Asn  
 35 40 45  
 Ile Cys Pro His Ser Gly Glu Asn Thr Glu Tyr Asp Thr Ile Pro His  
 50 55 60  
 Thr Asn Arg Thr Ile Leu Lys Glu Asp Pro Ala Asn Thr Val Tyr Ser  
 65 70 75 80  
 Thr Val Glu Ile Pro Lys Lys Met Glu Asn Pro His Ser Leu Leu Thr  
 85 90 95  
 Met Pro Asp Thr Pro Arg Leu Phe Ala Tyr Glu Asn Val Ile  
 100 105 110

<210> 126  
 <211> 63  
 <212> PRT  
 <213> Homo sapiens

<400> 126  
 Met Leu Leu Leu Phe Ile Tyr Phe Tyr Ser His Pro Ala Pro Val Pro  
 1 5 10 15  
 Ala Gly Ala Thr Ser Lys Pro Arg Tyr Arg Val Ile Thr Cys Gly Pro  
 20 25 30  
 Ala Ser Val Phe Ser Thr Ser Phe Ser His Ser Pro Pro Ala Arg Cys  
 35 40 45  
 Leu Gly Arg Leu Glu Gln Met Phe His Phe Gly Leu Ala Ser Gly  
 50 55 60

<210> 127  
 <211> 30  
 <212> PRT

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<213> Homo sapiens

<400> 130

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Met Arg Leu Ser Ala Leu Leu Ala Leu Ala Ser Lys Val Thr Leu Pro
 1          5          10          15

Pro His Tyr Arg Tyr Gly Met Ser Pro Pro Gly Ser Val Ala Asp Lys
          20          25          30

Arg Lys Asn Pro Pro Trp Ile Arg Arg Arg Pro Val Val Val Glu Pro
          35          40          45

Ile Ser Asp Glu Asp Trp Tyr Leu Phe Cys Gly Asp Thr Val Glu Ile
 50          55          60

Leu Glu Gly Lys Asp Ala Gly Lys Gln Gly Lys Val Val Gln Val Ile
 65          70          75          80

Arg Gln Arg Asn Trp Val Val Val Gly Gly Leu Asn Thr His Tyr Arg
          85          90          95

Tyr Ile Gly Lys Thr Met Asp Tyr Arg Gly Thr Met Ile Pro Ser Glu
          100          105          110

Ala Pro Leu Leu His Arg Gln Val Lys Leu Val Asp Pro Met Asp Arg
          115          120          125

Lys Pro Thr Glu Ile Glu Trp Arg Phe Thr Glu Ala Gly Glu Arg Val
          130          135          140

Arg Val Ser Thr Arg Ser Gly Arg Ile Ile Pro Lys Pro Glu Phe Pro
          145          150          155          160

Arg Ala Asp Gly Ile Val Pro Glu Thr Trp Ile Asp Gly Pro Lys Asp
          165          170          175

Thr Ser Val Glu Asp Ala Leu Glu Arg Thr Tyr Val Pro Cys Leu Lys
          180          185          190

Thr Leu Gln Glu Glu Val Met Glu Ala Met Gly Ile Lys Glu Thr Arg
          195          200          205

Lys Tyr Lys Lys Val Tyr Trp Tyr
          210          215

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<210> 131

<211> 49

<212> PRT

<213> Homo sapiens

<400> 131

```

Met Ser Leu Arg Gln Lys Ser Ser Phe Arg Leu Met Val Met Ser Leu
 1          5          10          15

Thr Ile Leu Lys Leu Ser Lys Thr Thr Val Leu Cys Leu Arg Cys Leu
          20          25          30

His Ser Leu Lys Leu Thr Trp Arg Asp Gly Ala Arg Cys Ile Asn Ala
          35          40          45

Glu

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<210> 132  
 <211> 68  
 <212> PRT  
 <213> Homo sapiens

<400> 132  
 Met Ser Gly Ser Phe Ile Leu Cys Leu Ala Leu Val Thr Arg Trp Ser  
 1 5 10 15  
 Pro Gln Ala Ser Ser Val Pro Leu Ala Val Tyr Glu Ser Lys Thr Arg  
 20 25 30  
 Lys Ser Tyr Arg Ser Gln Arg Asp Arg Asp Gly Lys Asp Arg Ser Gln  
 35 40 45  
 Gly Met Gly Leu Ser Leu Leu Val Glu Thr Arg Lys Leu Leu Leu Ser  
 50 55 60  
 Ala Asn Gln Gly  
 65

<210> 133  
 <211> 52  
 <212> PRT  
 <213> Homo sapiens

<400> 133  
 Met Cys Phe Arg Phe Phe Leu Phe Cys Ser Arg Ile Leu Leu Lys Leu  
 1 5 10 15  
 Phe Phe Leu Leu Phe Pro Ala Ser Ala Phe Pro Leu Ser Thr Arg Ser  
 20 25 30  
 Ser Leu Ser Val Asn Glu His Val Val Val Ser Pro Arg Ser Thr Val  
 35 40 45  
 Ser Ile Ser Arg  
 50

<210> 134  
 <211> 540  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (137)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<400> 134  
 Met Val Arg Thr Asp Gly His Thr Leu Ser Glu Lys Arg Asn Tyr Gln  
 1 5 10 15  
 Val Thr Asn Ser Met Phe Gly Ala Ser Arg Lys Lys Phe Val Glu Gly  
 20 25 30  
 Val Asp Ser Asp Tyr His Asp Glu Asn Met Tyr Tyr Ser Gln Ser Ser  
 35 40 45

Met Phe Pro His Arg Ser Glu Lys Asp Met Leu Ala Ser Pro Ser Thr  
 50 55 60  
 Ser Gly Gln Leu Ser Gln Phe Gly Ala Ser Leu Tyr Gly Gln Gln Ser  
 65 70 75 80  
 Ala Leu Gly Leu Pro Met Arg Gly Met Ser Asn Asn Thr Pro Gln Leu  
 85 90 95  
 Asn Arg Ser Leu Ser Gln Gly Thr Gln Leu Pro Ser His Val Thr Pro  
 100 105 110  
 Thr Thr Gly Val Pro Thr Met Ser Leu His Thr Pro Pro Ser Pro Ser  
 115 120 125  
 Arg Gly Ile Leu Pro Met Asn Pro Xaa Asn Met Met Asn His Ser Gln  
 130 135 140  
 Val Gly Gln Gly Ile Gly Ile Pro Ser Arg Thr Asn Ser Met Ser Ser  
 145 150 155 160  
 Ser Gly Leu Gly Ser Pro Asn Arg Ser Ser Pro Ser Ile Ile Cys Met  
 165 170 175  
 Pro Lys Gln Gln Pro Ser Arg Gln Pro Phe Thr Val Asn Ser Met Ser  
 180 185 190  
 Gly Phe Gly Met Asn Arg Asn Gln Ala Phe Gly Met Asn Asn Ser Leu  
 195 200 205  
 Ser Ser Asn Ile Phe Asn Gly Thr Asp Gly Ser Glu Asn Val Thr Gly  
 210 215 220  
 Leu Asp Leu Ser Asp Phe Pro Ala Leu Ala Asp Arg Asn Arg Arg Glu  
 225 230 235 240  
 Gly Ser Gly Asn Pro Thr Pro Leu Ile Asn Pro Leu Ala Gly Arg Ala  
 245 250 255  
 Pro Tyr Val Gly Met Val Thr Lys Pro Ala Asn Glu Gln Ser Gln Asp  
 260 265 270  
 Phe Ser Ile His Asn Glu Asp Phe Pro Ala Leu Pro Gly Ser Ser Tyr  
 275 280 285  
 Lys Asp Pro Thr Ser Ser Asn Asp Asp Ser Lys Ser Asn Leu Asn Thr  
 290 295 300  
 Ser Gly Lys Thr Thr Ser Ser Thr Asp Gly Pro Lys Phe Pro Gly Asp  
 305 310 315 320  
 Lys Ser Ser Thr Thr Gln Asn Asn Asn Gln Gln Lys Lys Gly Ile Gln  
 325 330 335  
 Val Leu Pro Asp Gly Arg Val Thr Asn Ile Pro Gln Gly Met Val Thr  
 340 345 350  
 Asp Gln Phe Gly Met Ile Gly Leu Leu Thr Phe Ile Arg Ala Ala Glu  
 355 360 365  
 Thr Asp Pro Gly Met Val His Leu Ala Leu Gly Ser Asp Leu Thr Thr  
 370 375 380  
 Leu Gly Leu Asn Leu Asn Ser Pro Glu Asn Leu Tyr Pro Lys Phe Ala  
 385 390 395 400

Ser Pro Trp Ala Ser Ser Pro Cys Arg Pro Gln Asp Ile Asp Phe His  
 405 410 415  
 Val Pro Ser Glu Tyr Leu Thr Asn Ile His Ile Arg Asp Lys Leu Ala  
 420 425 430  
 Ala Ile Lys Leu Gly Arg Tyr Gly Glu Asp Leu Leu Phe Tyr Leu Tyr  
 435 440 445  
 Tyr Met Asn Gly Gly Asp Val Leu Gln Leu Leu Ala Ala Val Glu Leu  
 450 455 460  
 Phe Asn Arg Asp Trp Arg Tyr His Lys Glu Glu Arg Val Trp Ile Thr  
 465 470 475 480  
 Arg Ala Pro Gly Met Glu Pro Thr Met Lys Thr Asn Thr Tyr Glu Arg  
 485 490 495  
 Gly Thr Tyr Tyr Phe Phe Asp Cys Leu Asn Trp Arg Lys Val Ala Lys  
 500 505 510  
 Glu Phe His Leu Glu Tyr Asp Lys Leu Glu Glu Arg Pro His Leu Pro  
 515 520 525  
 Ser Thr Phe Asn Tyr Asn Pro Ala Gln Gln Ala Phe  
 530 535 540

<210> 135  
 <211> 57  
 <212> PRT  
 <213> Homo sapiens

<400> 135  
 Met Ile Cys Pro Gln Cys Pro Leu Ser Leu Leu Cys Leu Ile Ser Ser  
 1 5 10 15  
 Leu Cys Ser Leu Val Ile Gln Ile Ser Leu Lys Thr Ile Arg Asp Ile  
 20 25 30  
 Thr Leu Leu Asn Met Val Gly Ile Lys Phe Ser Ile Ser Leu Ser Asn  
 35 40 45  
 Lys Ile Asn Ile Asn Ser Arg Thr Trp  
 50 55

<210> 136  
 <211> 201  
 <212> PRT  
 <213> Homo sapiens

<400> 136  
 Met Thr Leu Arg Pro Ser Leu Leu Pro Leu His Leu Leu Leu Leu Leu  
 1 5 10 15  
 Leu Leu Ser Ala Ala Val Cys Arg Ala Glu Ala Gly Leu Glu Thr Glu  
 20 25 30  
 Ser Pro Val Arg Thr Leu Gln Val Glu Thr Leu Val Glu Pro Pro Glu  
 35 40 45  
 Pro Cys Ala Glu Pro Ala Ala Phe Gly Asp Thr Leu His Ile His Tyr  
 50 55 60

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Thr Gly Ser Leu Val Asp Gly Arg Ile Ile Asp Thr Ser Leu Thr Arg  
 65 70 75 80  
 Asp Pro Leu Val Ile Glu Leu Gly Gln Lys Gln Val Ile Pro Gly Leu  
 85 90 95  
 Glu Gln Ser Leu Leu Asp Met Cys Val Gly Glu Lys Arg Arg Ala Ile  
 100 105 110  
 Ile Pro Ser His Leu Ala Tyr Gly Lys Arg Gly Phe Pro Pro Ser Val  
 115 120 125  
 Pro Ala Asp Ala Val Val Gln Tyr Asp Val Glu Leu Ile Ala Leu Ile  
 130 135 140  
 Arg Ala Asn Tyr Trp Leu Lys Leu Val Lys Gly Ile Leu Pro Leu Val  
 145 150 155 160  
 Gly Met Ala Met Val Pro Ala Leu Leu Gly Leu Ile Gly Tyr His Leu  
 165 170 175  
 Tyr Arg Lys Ala Asn Arg Pro Lys Val Ser Lys Lys Lys Leu Lys Glu  
 180 185 190  
 Glu Lys Arg Asn Lys Ser Lys Lys Lys  
 195 200

<210> 137  
 <211> 216  
 <212> PRT  
 <213> Homo sapiens

<400> 137  
 Met Phe Leu Arg Leu Tyr Leu Ile Ala Arg Val Met Leu Leu His Ser  
 1 5 10 15  
 Lys Leu Phe Thr Asp Ala Ser Ser Arg Ser Ile Gly Ala Leu Asn Lys  
 20 25 30  
 Ile Asn Phe Asn Thr Arg Phe Val Met Lys Thr Leu Met Thr Ile Cys  
 35 40 45  
 Pro Gly Thr Val Leu Leu Val Phe Ser Ile Ser Leu Trp Ile Ile Ala  
 50 55 60  
 Ala Trp Thr Val Arg Val Cys Glu Ser Pro Glu Ser Pro Ala Gln Pro  
 65 70 75 80  
 Ser Gly Ser Ser Leu Pro Ala Trp Tyr His Asp Gln Gln Asp Val Thr  
 85 90 95  
 Ser Asn Phe Leu Gly Ala Met Trp Leu Ile Ser Ile Thr Phe Leu Ser  
 100 105 110  
 Ile Gly Tyr Gly Asp Met Val Pro His Thr Tyr Cys Gly Lys Gly Val  
 115 120 125  
 Cys Leu Leu Thr Gly Ile Met Gly Ala Gly Cys Thr Ala Leu Val Val  
 130 135 140  
 Ala Val Val Ala Arg Lys Leu Glu Leu Thr Lys Ala Glu Lys His Val  
 145 150 155 160

His Asn Phe Met Met Asp Thr Gln Leu Thr Lys Arg Ile Lys Asn Ala  
                   165                  170                  175  
 Ala Ala Asn Val Leu Arg Glu Thr Trp Leu Ile Tyr Lys His Thr Lys  
                   180                  185                  190  
 Leu Leu Lys Lys Ile Asp His Ala Lys Val Arg Lys His Gln Arg Lys  
                   195                  200                  205  
 Phe Leu Pro Ser Tyr Pro Pro Val  
           210                  215

<210> 138  
 <211> 102  
 <212> PRT  
 <213> Homo sapiens

<400> 138  
 Met Ser Asn Thr Thr Val Pro Asn Ala Pro Gln Ala Asn Ser Asp Ser  
   1                  5                  10                  15  
 Met Val Gly Tyr Val Leu Gly Pro Phe Phe Leu Ile Thr Leu Val Gly  
                   20                  25                  30  
 Val Val Val Ala Val Val Met Tyr Val Gln Lys Lys Lys Arg Val Asp  
                   35                  40                  45  
 Arg Leu Arg His His Leu Leu Pro Met Tyr Ser Tyr Asp Pro Ala Glu  
   50                  55                  60  
 Glu Leu His Glu Ala Glu Gln Glu Leu Leu Ser Asp Met Gly Asp Pro  
   65                  70                  75                  80  
 Lys Val Val His Gly Trp Gln Ser Gly Tyr Gln His Lys Arg Met Pro  
                   85                  90                  95  
 Leu Leu Asp Val Lys Thr  
                   100

<210> 139  
 <211> 112  
 <212> PRT  
 <213> Homo sapiens

<400> 139  
 Met Arg Glu Cys Gln Glu Glu Ser Phe Trp Lys Arg Ala Leu Pro Phe  
   1                  5                  10                  15  
 Ser Leu Val Ser Met Leu Val Thr Gln Gly Leu Val Tyr Gln Gly Tyr  
                   20                  25                  30  
 Leu Ala Ala Asn Ser Arg Phe Gly Ser Leu Pro Lys Val Ala Leu Ala  
                   35                  40                  45  
 Gly Leu Leu Gly Phe Gly Leu Gly Lys Val Ser Tyr Ile Gly Val Cys  
   50                  55                  60  
 Gln Ser Lys Phe His Phe Phe Glu Asp Gln Leu Arg Gly Ala Gly Phe  
   65                  70                  75                  80  
 Gly Pro Gln His Asn Arg His Cys Leu Leu Thr Cys Glu Glu Cys Lys  
                   85                  90                  95

Ile Lys His Gly Leu Ser Glu Lys Gly Asp Ser Gln Pro Ser Ala Ser  
 100 105 110

<210> 140  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 140  
 Met Lys Asn Asp Arg Asn Gln Gly Phe Ser Leu Leu Gln Leu Ile Asp  
 1 5 10 15

Trp Asn Lys Pro  
 20

<210> 141  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<400> 141  
 Met Gly Thr Gln Pro Pro Val Val Ala Gly Phe Thr Ile Pro Met Leu  
 1 5 10 15

Gly Tyr Thr Val Arg Val Leu Thr Phe His Leu Ser Cys Ser  
 20 25 30

<210> 142  
 <211> 99  
 <212> PRT  
 <213> Homo sapiens

<400> 142  
 Met Lys Ile Pro Val Leu Pro Ala Val Val Leu Leu Ser Leu Leu Val  
 1 5 10 15

Leu His Ser Ala Gln Gly Ala Thr Leu Gly Gly Pro Glu Glu Glu Ser  
 20 25 30

Thr Ile Glu Asn Tyr Ala Ser Arg Pro Glu Ala Phe Asn Thr Pro Phe  
 35 40 45

Leu Asn Ile Asp Lys Leu Arg Ser Ala Phe Lys Ala Asp Glu Phe Leu  
 50 55 60

Asn Trp His Ala Leu Phe Glu Ser Ile Lys Arg Lys Leu Pro Phe Leu  
 65 70 75 80

Asn Trp Asp Ala Phe Pro Lys Leu Lys Gly Leu Arg Ser Ala Thr Pro  
 85 90 95

Asp Ala Gln

<210> 143



<211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 143  
 Met Val Trp Gly Leu Leu Gly  
           1                  5

<210> 144  
 <211> 39  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (30)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 144  
 Met Leu Pro Leu Leu Ser Leu Leu Phe Leu Phe Phe Ser Thr Val Ser  
           1                  5                  10                  15  
 Ser Phe Cys Gly Met Pro Leu Arg Ala His Thr Arg Ala Xaa Ala His  
                   20                  25                  30  
 Thr Arg Thr Phe Ala Ser Arg  
                   35

<210> 145  
 <211> 131  
 <212> PRT  
 <213> Homo sapiens

<400> 145  
 Met Ile Cys Glu Thr Lys Ala Arg Lys Ser Ser Gly Gln Pro Gly Arg  
           1                  5                  10                  15  
 Leu Pro Pro Pro Thr Leu Ala Pro Pro Gln Pro Pro Leu Pro Glu Thr  
                   20                  25                  30  
 Ile Glu Arg Pro Val Gly Thr Gly Ala Met Val Ala Arg Ser Ser Asp  
           35                  40                  45  
 Leu Pro Tyr Leu Ile Val Gly Val Val Leu Gly Ser Ile Val Leu Ile  
           50                  55                  60  
 Ile Val Thr Phe Ile Pro Phe Cys Leu Trp Arg Ala Trp Ser Lys Gln  
           65                  70                  75                  80  
 Lys His Thr Thr Asp Leu Gly Phe Pro Arg Ser Ala Leu Pro Pro Ser  
                   85                  90                  95  
 Cys Pro Tyr Thr Met Val Pro Leu Gly Gly Leu Pro Gly His Gln Ala  
           100                  105                  110  
 Val Asp Ser Pro Thr Ser Val Ala Ser Val Asp Gly Pro Val Leu Met  
           115                  120                  125  
 Gly Ser Thr  
           130

<210> 146  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<400> 146  
 Met Gly Ala Pro Ser Leu Thr Met Leu Leu Leu Leu Lys Val Gln Pro  
           1                  5                  10                  15  
 Arg Arg Thr Gln Ala Phe Asp Ala His Trp Val Gly Leu Pro Leu Leu  
                   20                  25                  30

<210> 147  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<400> 147  
 Met Cys Leu Ile Phe Leu Leu Leu Leu Leu Leu Ser Phe Ser  
           1                  5                  10

<210> 148  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 148  
 His Pro His Gln Asp Ser Gln Pro  
           1                  5

<210> 149  
 <211> 68  
 <212> PRT  
 <213> Homo sapiens

<400> 149  
 Met Asn Thr Ser Tyr Ile Leu Arg Leu Thr Val Val Val Ser Val Val  
           1                  5                  10                  15  
 Ile Tyr Leu Ala Ile His Pro Leu Leu Ser Phe Ser Leu Glu Ser Pro  
                   20                  25                  30  
 Leu Leu Val Pro Trp Arg Asp Cys Cys Gln Asn Ile Trp Lys Ser Gly  
                   35                  40                  45  
 Ser Val Trp Tyr Lys Arg Trp Thr Leu Pro His Met Glu Val Cys Cys  
           50                  55                  60  
 Gln Asp Leu His  
           65

<210> 150  
 <211> 26

<212> PRT  
 <213> Homo sapiens

<400> 150  
 Met Leu Lys Ile Phe Lys Glu Trp Glu Asn Leu Asn Leu Ile Leu Thr  
   1                  5                  10                  15  
 Ser Ile Arg Ile Leu Glu Arg Gln Asn Met  
           20                  25

<210> 151  
 <211> 195  
 <212> PRT  
 <213> Homo sapiens

<400> 151  
 Met Asp Cys Glu Val Asn Asn Gly Ser Ser Leu Arg Asp Glu Cys Ile  
   1                  5                  10                  15  
 Thr Asn Leu Leu Val Phe Gly Phe Leu Gln Ser Cys Ser Asp Asn Ser  
           20                  25                  30  
 Phe Arg Arg Glu Leu Asp Ala Leu Gly His Glu Leu Pro Val Leu Ala  
           35                  40                  45  
 Pro Gln Trp Glu Gly Tyr Asp Glu Leu Gln Thr Asp Gly Asn Arg Ser  
           50                  55                  60  
 Ser His Ser Arg Leu Gly Arg Ile Glu Ala Asp Ser Glu Ser Gln Glu  
           65                  70                  75                  80  
 Asp Ile Ile Arg Asn Ile Ala Arg His Leu Ala Gln Val Gly Asp Ser  
           85                  90                  95  
 Met Asp Arg Ser Ile Pro Pro Gly Leu Val Asn Gly Leu Ala Leu Gln  
           100                  105                  110  
 Leu Arg Asn Thr Ser Arg Ser Glu Glu Asp Arg Asn Arg Asp Leu Ala  
           115                  120                  125  
 Thr Ala Leu Glu Gln Leu Leu Gln Ala Tyr Pro Arg Asp Met Glu Lys  
           130                  135                  140  
 Glu Lys Thr Met Leu Val Leu Ala Leu Leu Leu Ala Lys Lys Val Ala  
           145                  150                  155                  160  
 Ser His Thr Pro Ser Leu Leu Arg Asp Val Phe His Thr Thr Val Asn  
           165                  170                  175  
 Phe Ile Asn Gln Asn Leu Arg Thr Tyr Val Arg Ser Leu Ala Arg Asn  
           180                  185                  190  
 Gly Met Asp  
           195

<210> 152  
 <211> 91  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE

<222> (85)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC\_FEATURE

<222> (87)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 152

Met Ser Leu Ser Leu Val Ser Val Ser Val Gly Pro Ser Thr Leu Ala  
1 5 10 15

Cys Ser Phe Leu Arg Pro Lys Ala Arg Pro Ser Lys Arg Ser Pro Arg  
20 25 30

Asn Tyr Thr Asp Ser Thr Ser Pro Gly Gly Pro Arg Ala Pro Arg Gly  
35 40 45

Gly Ala Trp Arg Leu Ser Ser Gln Gln Asn Ser Ser Pro Lys Gly Val  
50 55 60

Ala Val Ala Lys Ala Ser Tyr Arg Pro Val Leu Cys Phe Leu Pro Gly  
65 70 75 80

Pro Trp Ser Ser Xaa Pro Xaa Ala Phe Leu Ile  
85 90

<210> 153

<211> 31

<212> PRT

<213> Homo sapiens

<400> 153

Met Gly Thr Leu Ser Ala Glu Cys Ser Gly Pro Ala Thr Leu Gly Leu  
1 5 10 15

Cys Leu Val Val Pro Trp Asn Ser Ser Gly Leu Ser Gln Pro Pro  
20 25 30

<210> 154

<211> 90

<212> PRT

<213> Homo sapiens

<400> 154

Met Lys Phe Leu Ala Val Leu Val Leu Leu Gly Val Ser Ile Phe Leu  
1 5 10 15

Val Ser Ala Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Pro  
20 25 30

Ala Thr Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Thr Thr Ala  
35 40 45

Ala Ala Thr Thr Ala Thr Thr Ala Ala Pro Thr Thr Ala Thr Thr Ala  
50 55 60

Ala Ser Thr Thr Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val  
65 70 75 80

Gly Asp Leu Pro Asn Gly Arg Val Cys Pro  
                     85                    90

<210> 155  
 <211> 89  
 <212> PRT  
 <213> Homo sapiens

<400> 155  
 Met Ile Ile Ser Leu Phe Ile Tyr Ile Phe Leu Thr Cys Ser Asn Thr  
   1                    5                    10                    15  
 Ser Pro Ser Tyr Gln Gly Thr Gln Leu Gly Leu Gly Leu Pro Ser Ala  
                     20                    25                    30  
 Gln Trp Trp Pro Leu Thr Gly Arg Arg Met Gln Cys Cys Arg Leu Phe  
                     35                    40                    45  
 Cys Phe Leu Leu Gln Asn Cys Leu Phe Pro Phe Pro Leu His Leu Ile  
   50                    55                    60  
 Gln His Asp Pro Cys Glu Leu Val Leu Thr Ile Ser Trp Asp Trp Ala  
   65                    70                    75                    80  
 Glu Ala Gly Ala Ser Leu Tyr Ser Pro  
                     85

<210> 156  
 <211> 174  
 <212> PRT  
 <213> Homo sapiens

<400> 156  
 Met Ser Ser Ala Ala Asp His Trp Ala Trp Leu Leu Val Leu Ser  
   1                    5                    10                    15  
 Phe Val Phe Gly Cys Asn Val Leu Arg Ile Leu Leu Pro Ser Phe Ser  
                     20                    25                    30  
 Ser Phe Met Ser Arg Val Leu Gln Lys Asp Ala Glu Gln Glu Ser Gln  
                     35                    40                    45  
 Met Arg Ala Glu Ile Gln Asp Met Lys Gln Glu Leu Ser Thr Val Asn  
   50                    55                    60  
 Met Met Asp Glu Phe Ala Arg Tyr Ala Arg Leu Glu Arg Lys Ile Asn  
   65                    70                    75                    80  
 Lys Met Thr Asp Lys Leu Lys Thr His Val Lys Ala Arg Thr Ala Gln  
                     85                    90                    95  
 Leu Ala Lys Ile Lys Trp Val Ile Ser Val Ala Phe Tyr Val Leu Gln  
                     100                    105                    110  
 Ala Ala Leu Met Ile Ser Leu Ile Trp Lys Tyr Tyr Ser Val Pro Val  
                     115                    120                    125  
 Ala Val Val Pro Ser Lys Trp Ile Thr Pro Leu Asp Arg Leu Val Ala  
   130                    135                    140  
 Phe Pro Thr Arg Val Ala Gly Gly Val Gly Ile Thr Cys Trp Ile Leu

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<210> 160  
 <211> 323  
 <212> PRT  
 <213> Homo sapiens.

<400> 160

Met Leu Leu Leu Leu Leu Leu Leu Gly Ser Gly Gln Gly Pro Gln Gln  
 1 5 10 15

Val Gly Ala Gly Gln Thr Phe Glu Tyr Leu Lys Arg Glu His Ser Leu  
 20 25 30

Ser Lys Pro Tyr Gln Gly Val Gly Thr Gly Ser Ser Ser Leu Trp Asn  
 35 40 45

Leu Met Gly Asn Ala Met Val Met Thr Gln Tyr Ile Arg Leu Thr Pro  
 50 55 60

Asp Met Gln Ser Lys Gln Gly Ala Leu Trp Asn Arg Val Pro Cys Phe  
 65 70 75 80

Leu Arg Asp Trp Glu Leu Gln Val His Phe Lys Ile His Gly Gln Gly  
 85 90 95

Lys Lys Asn Leu His Gly Asp Gly Leu Ala Ile Trp Tyr Thr Arg Asn  
 100 105 110

Arg Met Gln Pro Gly Pro Val Phe Gly Asn Met Asp Lys Phe Val Gly  
 115 120 125

Leu Gly Val Phe Val Asp Thr Tyr Pro Asn Glu Glu Lys Gln Gln Glu  
 130 135 140

Arg Val Phe Pro Tyr Ile Ser Ala Met Val Asn Asn Gly Ser Leu Ser  
 145 150 155 160

Tyr Asp His Glu Arg Asp Gly Arg Pro Thr Glu Leu Gly Gly Cys Thr  
 165 170 175

Ala Ile Val Arg Asn Leu His Tyr Asp Thr Phe Leu Val Ile Arg Tyr  
 180 185 190

Val Lys Arg His Leu Thr Ile Met Met Asp Ile Asp Gly Lys His Glu  
 195 200 205

Trp Arg Asp Cys Ile Glu Val Pro Gly Val Arg Leu Pro Arg Gly Tyr  
 210 215 220

Tyr Phe Gly Thr Ser Ser Ile Thr Gly Asp Leu Ser Asp Asn His Asp  
 225 230 235 240

Val Ile Ser Leu Lys Leu Phe Glu Leu Thr Val Glu Arg Thr Pro Glu  
 245 250 255

Glu Glu Lys Leu His Arg Asp Val Phe Leu Pro Ser Val Asp Asn Met  
 260 265 270

Lys Leu Pro Glu Met Thr Ala Pro Leu Pro Pro Leu Ser Gly Leu Ala  
 275 280 285

Leu Phe Leu Ile Val Phe Phe Ser Leu Val Phe Ser Val Phe Ala Ile  
 290 295 300

Val Ile Gly Ile Ile Leu Tyr Asn Lys Trp Gln Glu Gln Ser Arg Lys  
 305 310 315 320

Arg Phe Tyr

<210> 161  
 <211> 320  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (120)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>  
 <221> MISC\_FEATURE  
 <222> (292)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 161  
 Met Pro Ser Glu Tyr Thr Tyr Val Lys Leu Arg Ser Asp Cys Ser Arg  
   1                  5                  10                  15  
 Pro Ser Leu Gln Trp Tyr Thr Arg Ala Gln Ser Lys Met Arg Arg Pro  
                   20                  25                  30  
 Ser Leu Leu Leu Lys Asp Ile Leu Lys Cys Thr Leu Leu Val Phe Gly  
           35                  40                  45  
 Val Trp Ile Leu Tyr Ile Leu Lys Leu Asn Tyr Thr Thr Glu Glu Cys  
   50                  55                  60  
 Asp Met Lys Lys Met His Tyr Val Asp Pro Asp His Val Lys Arg Ala  
   65                  70                  75                  80  
 Gln Lys Tyr Ala Gln Gln Val Leu Gln Lys Glu Cys Arg Pro Lys Phe  
                   85                  90                  95  
 Ala Lys Thr Ser Met Ala Leu Leu Phe Glu His Arg Tyr Ser Val Asp  
           100                  105                  110  
 Leu Leu Pro Phe Val Gln Lys Xaa Pro Lys Asp Ser Glu Ala Glu Ser  
   115                  120                  125  
 Lys Tyr Asp Pro Pro Phe Gly Phe Arg Lys Phe Ser Ser Lys Val Gln  
   130                  135                  140  
 Thr Leu Leu Glu Leu Leu Pro Glu His Asp Leu Pro Glu His Leu Lys  
   145                  150                  155                  160  
 Ala Lys Thr Cys Arg Arg Cys Val Val Ile Gly Ser Gly Gly Ile Leu  
           165                  170                  175  
 His Gly Leu Glu Leu Gly His Thr Leu Asn Gln Phe Asp Val Val Ile  
           180                  185                  190  
 Arg Leu Asn Ser Ala Pro Val Glu Gly Tyr Ser Glu His Val Gly Asn  
   195                  200                  205  
 Lys Thr Thr Ile Arg Met Thr Tyr Pro Glu Gly Ala Pro Leu Ser Asp  
   210                  215                  220



Leu Glu Tyr Tyr Ser Asn Asp Leu Phe Val Ala Val Leu Phe Lys Ser  
 225 230 235 240  
 Val Asp Phe Asn Trp Leu Gln Ala Met Val Lys Lys Glu Thr Leu Pro  
 245 250 255  
 Phe Trp Val Arg Leu Phe Phe Trp Lys Gln Val Ala Glu Lys Ile Pro  
 260 265 270  
 Leu Gln Pro Lys His Phe Arg Ile Leu Asn Pro Val Ile Ile Lys Glu  
 275 280 285  
 Thr Ala Phe Xaa His Pro Ser Val Leu Arg Ala Ser Val Lys Val Leu  
 290 295 300  
 Gly Ala Glu Ile Arg Thr Ser Pro Gln Ser Val Ser Leu Pro Leu Ser  
 305 310 315 320

<210> 162  
 <211> 31  
 <212> PRT  
 <213> Homo sapiens

<400> 162  
 Met Thr Leu Asp Val Gln Thr Val Val Val Phe Ala Val Ile Val Val  
 1 5 10 15  
 Leu Leu Leu Val Asn Val Ile Leu Met Phe Phe Leu Gly Thr Arg  
 20 25 30

<210> 163  
 <211> 72  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (26)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<220>  
 <221> MISC\_FEATURE  
 <222> (68)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<220>  
 <221> MISC\_FEATURE  
 <222> (69)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<220>  
 <221> MISC\_FEATURE  
 <222> (70)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

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&lt;400&gt; 163

Met Leu Pro Leu Leu Phe Cys Ala Phe Cys Leu His Lys Leu Gly Pro  
 1 5 10 15  
 Leu Leu Phe Leu Tyr Asp Val Leu Met Xaa His Glu Ala Val Met Arg  
 20 25 30  
 Thr His Gln Ile Gln Leu Pro Asp Pro Glu Phe Pro Ser Gln Gln Asn  
 35 40 45  
 Gln Val Leu Asn Lys Thr Leu Phe Asn Lys Leu Lys Lys Lys Lys  
 50 55 60  
 Lys Lys Lys Xaa Xaa Xaa Lys Lys  
 65 70

&lt;210&gt; 164

&lt;211&gt; 281

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 164

Met Ala Ser Arg Gly Arg Arg Pro Glu His Gly Gly Pro Pro Glu Leu  
 1 5 10 15  
 Phe Tyr Asp Glu Thr Glu Ala Arg Lys Tyr Val Arg Asn Ser Arg Met  
 20 25 30  
 Ile Asp Ile Gln Thr Arg Met Ala Gly Arg Ala Leu Glu Leu Leu Tyr  
 35 40 45  
 Leu Pro Glu Asn Lys Pro Cys Tyr Leu Leu Asp Ile Gly Cys Gly Thr  
 50 55 60  
 Gly Leu Ser Gly Ser Tyr Leu Ser Asp Glu Gly His Tyr Trp Val Gly  
 65 70 75 80  
 Leu Asp Ile Ser Pro Ala Met Leu Asp Glu Ala Val Asp Arg Glu Ile  
 85 90 95  
 Glu Gly Asp Leu Leu Leu Gly Asp Met Gly Gln Gly Ile Pro Phe Lys  
 100 105 110  
 Pro Gly Thr Phe Asp Gly Cys Ile Ser Ile Ser Ala Val Gln Trp Leu  
 115 120 125  
 Cys Asn Ala Asn Lys Lys Ser Glu Asn Pro Ala Lys Arg Leu Tyr Cys  
 130 135 140  
 Phe Phe Ala Ser Leu Phe Ser Val Leu Val Arg Gly Ser Arg Ala Val  
 145 150 155 160  
 Leu Gln Leu Tyr Pro Glu Asn Ser Glu Gln Leu Glu Leu Ile Thr Thr  
 165 170 175  
 Gln Ala Thr Lys Ala Gly Phe Ser Gly Gly Met Val Val Asp Tyr Pro  
 180 185 190  
 Asn Ser Ala Lys Ala Lys Lys Phe Tyr Leu Cys Leu Phe Ser Gly Pro  
 195 200 205  
 Ser Thr Phe Ile Pro Glu Gly Leu Ser Glu Asn Gln Asp Glu Val Glu  
 210 215 220

Pro Arg Glu Ser Val Phe Thr Asn Glu Arg Phe Pro Leu Arg Met Ser  
 225 230 235 240  
 Arg Arg Gly Met Val Arg Lys Ser Arg Ala Trp Val Leu Glu Lys Lys  
 245 250 255  
 Glu Arg His Arg Arg Gln Gly Arg Glu Val Arg Pro Asp Thr Gln Tyr  
 260 265 270  
 Thr Gly Arg Lys Arg Lys Pro Arg Phe  
 275 280

<210> 165  
 <211> 81  
 <212> PRT  
 <213> Homo sapiens

<400> 165  
 Met Glu Lys Ile Pro Glu Val Thr Asn Ser Asn Ser Ser Phe His Ala  
 1 5 10 15  
 His Asp Leu Gly Phe Cys Val Leu Ser Ile Ala Thr Ser Lys Ser Arg  
 20 25 30  
 Lys Ala Pro Ala Pro His Ala Gln Lys Cys Asn Leu Lys Ser Leu Arg  
 35 40 45  
 Ser Ser Ala Gln Thr Asp Ile Asn Lys Pro Val Phe Ser Leu His Pro  
 50 55 60  
 Glu Pro Pro Gly Lys Ser Gly Ala Gln Thr Gln Ser Lys Ala Pro Phe  
 65 70 75 80  
 Leu

<210> 166  
 <211> 327  
 <212> PRT  
 <213> Homo sapiens  
 <220>  
 <221> MISC\_FEATURE  
 <222> (300)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<400> 166  
 Met Trp Arg Pro Ser Val Leu Leu Leu Leu Leu Leu Arg His Gly  
 1 5 10 15  
 Ala Gln Gly Lys Pro Ser Pro Asp Ala Gly Pro His Gly Gln Gly Arg  
 20 25 30  
 Val His Gln Ala Ala Pro Leu Ser Asp Ala Pro His Asp Asp Ala His  
 35 40 45  
 Gly Asn Phe Gln Tyr Asp His Glu Ala Phe Leu Gly Arg Glu Val Ala  
 50 55 60  
 Lys Glu Phe Asp Gln Leu Thr Pro Glu Glu Ser Gln Ala Arg Leu Gly  
 65 70 75 80

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<210> 167
<211> 65
<212> PRT
<213> Homo sapiens
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<400> 167
Met Ile Lys Ile Leu Lys Glu Ala Ile Glu Glu Thr Ser Phe Cys Ser
   1                               10                          15
Phe Trp Arg Ile Ser Phe Gln Leu Ser Ile His His Ile Phe Leu Ile
      20                      25                        30
Phe Cys Ala Gln Leu Thr Thr Leu Leu Tyr Ser Thr Phe Leu Phe Ile
    35                40                45
```

Pro Ile Ser Trp Phe Leu Ile Val Pro Gly Ala Val Asp Lys Thr Ile  
 50 55 60

Leu  
 65

<210> 168  
 <211> 159  
 <212> PRT  
 <213> Homo sapiens

<400> 168  
 Met Trp Leu Phe Ile Leu Leu Ser Leu Ala Leu Ile Ser Asp Ala Met  
 1 5 10 15  
 Val Met Asp Glu Lys Val Lys Arg Ser Phe Val Leu Asp Thr Ala Ser  
 20 25 30  
 Ala Ile Cys Asn Tyr Asn Ala His Tyr Lys Asn His Pro Lys Tyr Trp  
 35 40 45  
 Cys Arg Gly Tyr Phe Arg Asp Tyr Cys Asn Ile Ile Ala Phe Ser Pro  
 50 55 60  
 Asn Ser Thr Asn His Val Ala Leu Lys Asp Thr Gly Asn Gln Leu Ile  
 65 70 75 80  
 Val Thr Met Ser Cys Leu Asn Lys Glu Asp Thr Gly Trp Tyr Trp Cys  
 85 90 95  
 Gly Ile Gln Arg Asp Phe Ala Arg Asp Asp Met Asp Phe Thr Glu Leu  
 100 105 110  
 Ile Val Thr Asp Asp Lys Gly Thr Trp Pro Met Thr Leu Val Trp Glu  
 115 120 125  
 Arg Leu Ser Gly Thr Lys Pro Glu Ala Ala Arg Leu Pro Lys Leu Ser  
 130 135 140  
 Ala Arg Leu Thr Ala Pro Gly Arg Pro Phe Ser Ser Phe Ala Tyr  
 145 150 155

<210> 169  
 <211> 123  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (3)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<220>  
 <221> MISC\_FEATURE  
 <222> (65)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<220>  
 <221> MISC\_FEATURE  
 <222> (88)



Pro Leu Glu Gln Glu Thr Ile Met Ser Ala Ala Asp Thr Ala Leu Trp  
 65 70 75 80  
 Pro Tyr Gly His Gly Asn Arg Glu His Gln Glu Asn Glu Leu Gln Lys  
 85 90 95  
 Tyr Leu Gln Tyr Lys Asp Met His Leu Leu Asp Ser Gly Gln Ser Leu  
 100 105 110  
 Gly His Thr His Thr Leu Gln Gly Ser His Asn Leu Thr Ala Leu Asn  
 115 120 125  
 Ile

<210> 171  
 <211> 372  
 <212> PRT  
 <213> Homo sapiens

<400> 171  
 Met Ala Tyr His Ser Phe Leu Val Glu Pro Ile Ser Cys His Ala Trp  
 1 5 10 15  
 Asn Lys Asp Arg Thr Gln Ile Ala Ile Cys Pro Asn Asn His Glu Val  
 20 25 30  
 His Ile Tyr Glu Lys Ser Gly Ala Lys Trp Thr Lys Val His Glu Leu  
 35 40 45  
 Lys Glu His Asn Gly Gln Val Thr Gly Ile Asp Trp Ala Pro Glu Ser  
 50 55 60  
 Asn Arg Ile Val Thr Cys Gly Thr Asp Arg Asn Ala Tyr Val Trp Thr  
 65 70 75 80  
 Leu Lys Gly Arg Thr Trp Lys Pro Thr Leu Val Ile Leu Arg Ile Asn  
 85 90 95  
 Arg Ala Ala Arg Cys Val Arg Trp Ala Pro Asn Glu Asn Lys Phe Ala  
 100 105 110  
 Val Gly Ser Gly Ser Arg Val Ile Ser Ile Cys Tyr Phe Glu Gln Glu  
 115 120 125  
 Asn Asp Trp Trp Val Cys Lys His Ile Lys Lys Pro Ile Arg Ser Thr  
 130 135 140  
 Val Leu Ser Leu Asp Trp His Pro Asn Asn Val Leu Leu Ala Ala Gly  
 145 150 155 160  
 Ser Cys Asp Phe Lys Cys Arg Ile Phe Ser Ala Tyr Ile Lys Glu Val  
 165 170 175  
 Glu Glu Arg Pro Ala Pro Thr Pro Trp Gly Ser Lys Met Pro Phe Gly  
 180 185 190  
 Glu Leu Met Phe Glu Ser Ser Ser Ser Cys Gly Trp Val His Gly Val  
 195 200 205  
 Cys Phe Ser Ala Ser Gly Ser Arg Val Ala Trp Val Ser His Asp Ser  
 210 215 220

171  
372  
PRT  
Homo sapiens  
171  
Met Ala Tyr His Ser Phe Leu Val Glu Pro Ile Ser Cys His Ala Trp  
1 5 10 15  
Asn Lys Asp Arg Thr Gln Ile Ala Ile Cys Pro Asn Asn His Glu Val  
20 25 30  
His Ile Tyr Glu Lys Ser Gly Ala Lys Trp Thr Lys Val His Glu Leu  
35 40 45  
Lys Glu His Asn Gly Gln Val Thr Gly Ile Asp Trp Ala Pro Glu Ser  
50 55 60  
Asn Arg Ile Val Thr Cys Gly Thr Asp Arg Asn Ala Tyr Val Trp Thr  
65 70 75 80  
Leu Lys Gly Arg Thr Trp Lys Pro Thr Leu Val Ile Leu Arg Ile Asn  
85 90 95  
Arg Ala Ala Arg Cys Val Arg Trp Ala Pro Asn Glu Asn Lys Phe Ala  
100 105 110  
Val Gly Ser Gly Ser Arg Val Ile Ser Ile Cys Tyr Phe Glu Gln Glu  
115 120 125  
Asn Asp Trp Trp Val Cys Lys His Ile Lys Lys Pro Ile Arg Ser Thr  
130 135 140  
Val Leu Ser Leu Asp Trp His Pro Asn Asn Val Leu Leu Ala Ala Gly  
145 150 155 160  
Ser Cys Asp Phe Lys Cys Arg Ile Phe Ser Ala Tyr Ile Lys Glu Val  
165 170 175  
Glu Glu Arg Pro Ala Pro Thr Pro Trp Gly Ser Lys Met Pro Phe Gly  
180 185 190  
Glu Leu Met Phe Glu Ser Ser Ser Ser Cys Gly Trp Val His Gly Val  
195 200 205  
Cys Phe Ser Ala Ser Gly Ser Arg Val Ala Trp Val Ser His Asp Ser  
210 215 220

Thr Val Cys Leu Ala Asp Ala Asp Lys Lys Met Ala Val Ala Thr Leu  
 225 230 235 240  
 Ala Ser Glu Thr Leu Pro Leu Leu Ala Leu Thr Phe Ile Thr Asp Asn  
 245 250 255  
 Ser Leu Val Ala Ala Gly His Asp Cys Phe Pro Val Leu Phe Thr Tyr  
 260 265 270  
 Asp Ala Ala Ala Gly Met Leu Ser Phe Gly Gly Arg Leu Asp Val Pro  
 275 280 285  
 Lys Gln Ser Ser Gln Arg Gly Leu Thr Ala Arg Glu Arg Phe Gln Asn  
 290 295 300  
 Leu Asp Lys Lys Ala Ser Ser Glu Gly Gly Thr Ala Ala Gly Ala Gly  
 305 310 315 320  
 Leu Asp Ser Leu His Lys Asn Ser Val Ser Gln Ile Ser Val Leu Ser  
 325 330 335  
 Gly Gly Lys Ala Lys Cys Ser Gln Phe Cys Thr Thr Gly Met Asp Gly  
 340 345 350  
 Gly Met Ser Ile Trp Asp Val Lys Ser Leu Glu Ser Ala Leu Lys Asp  
 355 360 365  
 Leu Lys Ile Lys  
 370

<210> 172  
 <211> 216  
 <212> PRT  
 <213> Homo sapiens

<400> 172  
 Met Trp Ser Ile Gly Ala Gly Ala Leu Gly Ala Ala Ala Leu Ala Leu  
 1 5 10 15  
 Leu Leu Ala Asn Thr Asp Val Phe Leu Ser Lys Pro Gln Lys Ala Ala  
 20 25 30  
 Leu Glu Tyr Leu Glu Asp Ile Asp Leu Lys Thr Leu Glu Lys Glu Pro  
 35 40 45  
 Arg Thr Phe Lys Ala Lys Glu Leu Trp Glu Lys Asn Gly Ala Val Ile  
 50 55 60  
 Met Ala Val Arg Arg Pro Gly Cys Phe Leu Cys Arg Glu Glu Ala Ala  
 65 70 75 80  
 Asp Leu Ser Ser Leu Lys Ser Met Leu Asp Gln Leu Gly Val Pro Leu  
 85 90 95  
 Tyr Ala Val Val Lys Glu His Ile Arg Thr Glu Val Lys Asp Phe Gln  
 100 105 110  
 Pro Tyr Phe Lys Gly Glu Ile Phe Leu Asp Glu Lys Lys Lys Phe Tyr  
 115 120 125  
 Gly Pro Gln Arg Arg Lys Met Met Phe Met Gly Phe Ile Arg Leu Gly  
 130 135 140  
 Val Trp Tyr Asn Phe Phe Arg Ala Trp Asn Gly Gly Phe Ser Gly Asn



145                      150                      155                      160  
 Leu Glu Gly Glu Gly Phe Ile Leu Gly Gly Val Phe Val Val Gly Ser  
                                  165                      170                      175  
 Gly Lys Gln Gly Ile Leu Leu Glu His Arg Glu Lys Glu Phe Gly Asp  
                                  180                      185                      190  
 Lys Val Asn Leu Leu Ser Val Leu Glu Ala Ala Lys Met Ile Lys Pro  
                                  195                      200                      205  
 Gln Thr Leu Ala Ser Glu Lys Lys  
                                  210                      215

<210> 173  
 <211> 55  
 <212> PRT  
 <213> Homo sapiens

<400> 173  
 Met Lys Pro Val Ser Arg Arg Thr Leu Asp Trp Ile Tyr Ser Val Leu  
   1                                  5                                  10                                  15  
 Leu Leu Ala Ile Val Leu Ile Ser Trp Gly Cys Ile Ile Tyr Ala Ser  
                                   20                                  25                                  30  
 Met Val Ser Ala Arg Arg Gln Leu Arg Lys Lys Tyr Pro Asp Lys Ile  
                                   35                                  40                                  45  
 Phe Gly Thr Asn Glu Asn Leu  
                                   50                                  55

<210> 174  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (19)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<400> 174  
 Met Ala Ala Asn Thr Phe Val Leu Ile Met Gly Ile Pro Thr Ser Ala  
   1                                  5                                  10                                  15  
 Asn Ala Xaa Arg Asp Leu Phe  
                                   20

<210> 175  
 <211> 103  
 <212> PRT  
 <213> Homo sapiens

<400> 175  
 Met Ser Ile Cys His Arg Gly Thr Gly Ile Ala Leu Ser Ala Gly Val  
   1                                  5                                  10                                  15  
 Ser Leu Phe Gly Met Ser Ala Leu Leu Leu Pro Gly Asn Phe Glu Ser

20 25 30  
 Tyr Leu Glu Leu Val Lys Ser Leu Cys Leu Gly Pro Ala Leu Ile His  
 35 40 45  
 Thr Ala Lys Phe Ala Leu Val Phe Pro Leu Met Tyr His Thr Trp Asn  
 50 55 60  
 Gly Ile Arg His Leu Met Trp Asp Leu Gly Lys Gly Leu Lys Ile Pro  
 65 70 75 80  
 Gln Leu Tyr Gln Ser Gly Val Val Val Leu Val Leu Thr Val Leu Ser  
 85 90 95  
 Ser Met Gly Leu Ala Ala Met  
 100

<210> 176  
 <211> 48  
 <212> PRT  
 <213> Homo sapiens

<400> 176  
 Met Thr Lys Ala Ser Ser Leu Trp Pro Leu Lys Thr Thr Cys Gln Ile  
 1 5 10 15  
 Ser Gly Thr Val Phe Phe Phe Leu Phe Leu Phe Ser Cys Phe Leu Met  
 20 25 30  
 Gln Ala Gln Cys Asp Lys Phe Val Gly Trp Asp Phe Phe Phe Phe Leu  
 35 40 45

<210> 177  
 <211> 96  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (18)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 177  
 Met Arg Arg Ala Leu Ile Pro Pro Cys Arg Gly Gly Pro Ser Ala Ser  
 1 5 10 15  
 Asp Xaa Cys Cys Ser Cys Ser Pro Ser Gly Phe Ser Ala Gly Arg Gly  
 20 25 30  
 Arg Cys Pro Val Gln Gly Cys Leu Arg Pro His Arg Val Gln Leu Leu  
 35 40 45  
 Arg Arg Trp Gly Pro Gly Ser Pro Ala Gly Gln Arg Leu Ser Lys Gly  
 50 55 60  
 Phe Gln Leu Leu Arg Trp Trp Gly Pro Gly Ser Pro Ala Pro Glu Pro  
 65 70 75 80

20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

Arg Lys Gly Pro Phe Pro Pro Pro Asp Pro Pro Trp Pro Val Thr Leu  
                   85                                  90                                  95

<210> 178  
 <211> 95  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (70)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 178  
 Met Leu Glu Thr Thr Lys His Val Gln Ile Ala Cys Met Leu Leu Leu  
   1                  5                  10                  15  
 Thr Cys Gln Ile Phe Leu Pro Ser Ser Leu Ser Pro Ser Phe Ile His  
                   20                  25                  30  
 Ser Leu Thr Asp Ser Phe Ile Pro Leu Lys Lys Leu Tyr Val Cys Phe  
                   35                  40                  45  
 Val Gln Ser Thr Leu Leu Lys Ala Ala Gly Tyr Lys Ser Ile Ser Glu  
                   50                  55                  60  
 Ala Leu Gly Phe Asp Xaa Leu Leu Cys Ser Ser Ala Arg Phe Val Trp  
   65                  70                  75                  80  
 Ile Cys His Thr Tyr Ser Arg Pro Leu Val Thr Cys Ala Leu His  
                   85                  90                  95

<210> 179  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 179  
 Met Ser Val Ile Gly Gly Leu Leu Leu Val Val Ala Leu Gly Pro Gly  
   1                  5                  10                  15  
 Gly Val Ser Met Asp Glu Lys Lys Lys Glu Trp  
                   20                  25

<210> 180  
 <211> 89  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (12)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>  
 <221> MISC\_FEATURE

<222> (13)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC\_FEATURE

<222> (72)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 180

Met Ser Gly Gly Leu Ser Phe Leu Leu Leu Val Xaa Xaa Gly Thr Gln  
1 5 10 15

Ser Pro Leu His Leu Ala Gly Ser Cys Pro Gly Gln Thr His Leu Ser  
20 25 30

Phe Pro Leu Gly Gln Asp Arg Gly Gln Gln Leu Gln Gln Lys Gln Gln  
35 40 45

Asp Leu Glu Gln Glu Gly Leu Glu Ala Thr Gln Gly Leu Leu Ala Gly  
50 55 60

Glu Trp Ala Pro Pro Leu Trp Xaa Leu Gly Ser Leu Phe Gln Ala Phe  
65 70 75 80

Val Lys Arg Glu Ser Gln Ala Tyr Ala  
85

<210> 181

<211> 65

<212> PRT

<213> Homo sapiens

<400> 181

Met Phe Ala Asp Phe Ile Val Val Thr Ala Thr Val Gln Arg Cys Pro  
1 5 10 15

Gly Ser Pro Pro Leu Ser Glu Ile Leu Trp Lys Asp Glu Pro Phe Ala  
20 25 30

Ile Ser Ser His Ala Gly Leu Pro Trp Leu Ser Ser Trp Pro Ala Pro  
35 40 45

Pro Trp Thr Trp Ser Trp Ile Ser Arg Arg Arg Glu His Gly Arg Gly  
50 55 60

Ser  
65

<210> 182

<211> 105

<212> PRT

<213> Homo sapiens

<400> 182

Met Ser Ala Leu Thr Arg Leu Ala Ser Phe Ala Arg Val Gly Gly Arg  
1 5 10 15

Leu Phe Arg Ser Gly Cys Ala Arg Thr Ala Gly Asp Gly Gly Val Arg  
20 25 30



35                      40                      45  
 Gln Ala Ile Ile Gly Gly Phe Pro Phe Ala Ser Val Ala Leu Ala Asp  
   50                      55                      60  
 Ile Leu Cys Leu Gln  
   65

<210> 185  
 <211> 45  
 <212> PRT  
 <213> Homo sapiens

<400> 185  
 Met Ser Leu Leu Ser Pro Ala Ile Pro Ala Leu Thr Leu Ile Phe Ile  
   1                      5                      10                      15  
 Leu Met Phe Phe Ser Phe Pro Phe Arg Ala His Thr Val Val Thr Ile  
                     20                      25                      30  
 Val Ala Ser Gly Phe Leu Gly Leu Ser Pro Leu Cys Gly  
                     35                      40                      45

<210> 186  
 <211> 65  
 <212> PRT  
 <213> Homo sapiens

<400> 186  
 Met Ala Phe Gly Leu Gln Met Phe Ile Gln Arg Lys Phe Pro Tyr Pro  
   1                      5                      10                      15  
 Leu Gln Trp Ser Leu Leu Val Ala Val Val Ala Gly Ser Val Val Ser  
                     20                      25                      30  
 Tyr Gly Val Thr Arg Val Glu Ser Glu Lys Cys Asn Asn Leu Trp Leu  
                     35                      40                      45  
 Phe Leu Glu Thr Gly Gln Leu Pro Lys Asp Arg Ser Thr Asp Gln Arg  
   50                      55                      60  
 Ser  
   65

<210> 187  
 <211> 49  
 <212> PRT  
 <213> Homo sapiens

<400> 187  
 Met Asn Leu Leu Gly Met Ile Phe Ser Met Cys Gly Leu Met Leu Lys  
   1                      5                      10                      15  
 Leu Lys Trp Cys Ala Trp Val Ala Val Tyr Cys Ser Phe Ile Ser Phe  
                     20                      25                      30  
 Ala Asn Ser Arg Ser Ser Glu Asp Thr Lys Gln Met Met Ser Ser Phe  
                     35                      40                      45  
 Met

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<210> 188  
 <211> 170  
 <212> PRT  
 <213> Homo sapiens

<400> 188  
 Met Leu Leu Asn Val Ala Leu Val Ala Leu Val Leu Leu Gly Ala Tyr  
 1 5 10 15  
 Arg Leu Trp Val Arg Trp Gly Arg Arg Gly Leu Gly Ala Gly Ala Gly  
 20 25 30  
 Ala Gly Glu Glu Ser Pro Ala Thr Ser Leu Pro Arg Met Lys Lys Arg  
 35 40 45  
 Asp Phe Ser Leu Glu Gln Leu Arg Gln Tyr Asp Gly Ser Arg Asn Pro  
 50 55 60  
 Arg Ile Leu Leu Ala Val Asn Gly Lys Val Phe Asp Val Thr Lys Gly  
 65 70 75 80  
 Ser Lys Phe Tyr Gly Pro Ala Gly Pro Tyr Gly Ile Phe Ala Gly Arg  
 85 90 95  
 Asp Ala Ser Arg Gly Leu Ala Thr Phe Cys Leu Asp Lys Asp Ala Leu  
 100 105 110  
 Arg Asp Glu Tyr Asp Asp Leu Ser Asp Leu Asn Ala Val Gln Met Glu  
 115 120 125  
 Ser Val Arg Glu Trp Glu Met Gln Phe Lys Glu Lys Tyr Asp Tyr Val  
 130 135 140  
 Gly Arg Leu Leu Lys Pro Gly Glu Glu Pro Ser Glu Tyr Thr Asp Glu  
 145 150 155 160  
 Glu Asp Thr Lys Asp His Asn Lys Gln Asp  
 165 170

<210> 189  
 <211> 132  
 <212> PRT  
 <213> Homo sapiens

<400> 189  
 Met Thr Tyr Phe Ser Gly Leu Leu Val Ile Leu Ala Phe Ala Ala Trp  
 1 5 10 15  
 Val Ala Leu Ala Glu Gly Leu Gly Val Ala Val Tyr Ala Ala Ala Val  
 20 25 30  
 Leu Leu Gly Ala Gly Cys Ala Thr Ile Leu Val Thr Ser Leu Ala Met  
 35 40 45  
 Thr Ala Asp Leu Ile Gly Pro His Thr Asn Ser Gly Ala Phe Val Tyr  
 50 55 60  
 Gly Ser Met Ser Phe Leu Asp Lys Val Ala Asn Gly Leu Ala Val Met  
 65 70 75 80

Ala Ile Gln Ser Leu His Pro Cys Pro Ser Glu Leu Cys Cys Arg Ala  
                     85                    90                    95  
 Cys Val Ser Phe Tyr His Trp Ala Met Val Ala Val Thr Gly Gly Val  
                     100                    105                    110  
 Gly Val Ala Ala Ala Leu Cys Leu Cys Ser Leu Leu Leu Trp Pro Thr  
                     115                    120                    125  
 Arg Leu Arg Arg  
                     130

<210> 190  
 <211> 92  
 <212> PRT  
 <213> Homo sapiens

<400> 190  
 Met Ala Ala Gly Pro Ser Gly Cys Leu Val Pro Ala Phe Gly Leu Arg  
   1                    5                    10                    15  
 Leu Leu Leu Ala Thr Val Leu Gln Ala Val Ser Ala Phe Gly Ala Glu  
                     20                    25                    30  
 Phe Ser Ser Glu Ala Cys Arg Glu Leu Gly Phe Ser Ser Asn Leu Leu  
                     35                    40                    45  
 Cys Ser Ser Cys Asp Leu Leu Gly Gln Phe Asn Leu Leu Gln Leu Asp  
                     50                    55                    60  
 Pro Asp Cys Arg Gly Cys Cys Gln Glu Glu Ala Gln Phe Glu Thr Lys  
                     65                    70                    75                    80  
 Lys Leu Tyr Ala Gly Ala Ile Leu Glu Val Cys Gly  
                     85                    90

<210> 191  
 <211> 176  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (137)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<400> 191  
 Met Arg Gly Ser His Leu Arg Leu Leu Pro Tyr Leu Val Ala Ala Asn  
   1                    5                    10                    15  
 Pro Val Asn Tyr Gly Arg Pro Tyr Arg Leu Ser Cys Val Glu Ala Phe  
                     20                    25                    30  
 Ala Ala Thr Phe Cys Ile Val Gly Phe Pro Asp Leu Ala Val Ile Leu  
                     35                    40                    45  
 Leu Arg Lys Phe Lys Trp Gly Lys Gly Phe Leu Asp Leu Asn Arg Gln  
                     50                    55                    60  
 Leu Leu Asp Lys Tyr Ala Ala Cys Gly Ser Pro Glu Glu Val Leu Gln  
                     65                    70                    75                    80



Ala Glu Gln Glu Phe Leu Ala Asn Ala Lys Glu Ser Pro Gln Glu Glu  
                             85                            90                            95

Glu Ile Asp Pro Phe Asp Val Asp Ser Gly Arg Glu Phe Gly Asn Pro  
                             100                            105                            110

Asn Arg Pro Val Ala Ser Thr Arg Leu Pro Ser Asp Thr Asp Asp Ser  
                             115                            120                            125

Asp Ala Ser Glu Asp Pro Gly Pro Xaa Ala Glu Arg Gly Gly Ala Ser  
                             130                            135                            140

Ser Ser Cys Cys Glu Glu Glu Gln Thr Gln Gly Arg Gly Ala Glu Ala  
                             145                            150                            155                            160

Arg Ala Pro Ala Glu Val Trp Lys Gly Ile Lys Lys Arg Gln Arg Asp  
                             165                            170                            175

<210> 192  
 <211> 70  
 <212> PRT  
 <213> Homo sapiens

<400> 192  
 Met Ser Asn Ala Cys Lys Glu Leu Ala Ile Phe Leu Thr Thr Gly Ile  
           1                            5                            10                            15

Val Val Ser Ala Phe Gly Leu Pro Ile Val Phe Ala Arg Ala His Leu  
                             20                            25                            30

Ile Glu Trp Gly Ala Cys Ala Leu Val Leu Thr Gly Asn Thr Val Ile  
                             35                            40                            45

Phe Ala Thr Ile Leu Gly Phe Phe Leu Val Phe Gly Ser Asn Asp Asp  
                             50                            55                            60

Phe Ser Trp Gln Gln Trp  
           65                            70

<210> 193  
 <211> 25  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (11)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<220>  
 <221> MISC\_FEATURE  
 <222> (15)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<400> 193  
 Met Thr Leu Leu Ile Ile Phe Leu Pro Phe Xaa Phe Thr Thr Xaa Thr

1                      5                      10                      15  
 Asn Ser Gly Gly Ser Phe Pro Val Arg  
                     20                      25

<210> 194

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE

<222> (21)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 194

Met Lys Gly Glu Leu Leu Pro Phe Leu Phe Leu Thr Val Trp Leu Trp  
   1                    5                    10                    15

Leu Tyr Lys Leu Xaa Phe Gly Glu Ser Pro Arg Tyr Pro Asn Val Ile  
                     20                    25                    30

Gly Lys Thr Tyr Phe Phe Phe Trp Thr Asp Gln Ile Ser Arg Glu Ser  
                     35                    40                    45

Arg Phe Leu Glu Arg Leu Ala Phe Ile Val Ser Glu Asn Cys Leu Ile  
   50                    55                    60

Phe Leu Ile His Ala Ile Thr Gly Gln  
   65                    70

<210> 195

<211> 289

<212> PRT

<213> Homo sapiens

<400> 195

Met Ser Gly Phe Ser Thr Glu Glu Arg Ala Ala Pro Phe Ser Leu Glu  
   1                    5                    10                    15

Tyr Arg Val Phe Leu Lys Asn Glu Lys Gly Gln Tyr Ile Ser Pro Phe  
                     20                    25                    30

His Asp Ile Pro Ile Tyr Ala Asp Lys Asp Val Phe His Met Val Val  
                     35                    40                    45

Glu Val Pro Arg Trp Ser Asn Ala Lys Met Glu Ile Ala Thr Lys Asp  
   50                    55                    60

Pro Leu Asn Pro Ile Lys Gln Asp Val Lys Lys Gly Lys Leu Arg Tyr  
   65                    70                    75                    80

Val Ala Asn Leu Phe Pro Tyr Lys Gly Tyr Ile Trp Asn Tyr Gly Ala  
                     85                    90                    95

Ile Pro Gln Thr Trp Glu Asp Pro Gly His Asn Asp Lys His Thr Gly  
                     100                    105                    110

Cys Cys Gly Asp Asn Asp Pro Ile Asp Val Cys Glu Ile Gly Ser Lys  
   115                    120                    125

Val Cys Ala Arg Gly Glu Ile Ile Gly Val Lys Val Leu Gly Ile Leu  
 130 135 140

Ala Met Ile Asp Glu Gly Glu Thr Asp Trp Lys Val Ile Ala Ile Asn  
 145 150 155 160

Val Asp Asp Pro Asp Ala Ala Asn Tyr Asn Asp Ile Asn Asp Val Lys  
 165 170 175

Arg Leu Lys Pro Gly Tyr Leu Glu Ala Thr Val Asp Trp Phe Arg Arg  
 180 185 190

Tyr Lys Val Pro Asp Gly Lys Pro Glu Asn Glu Phe Ala Phe Asn Ala  
 195 200 205

Glu Phe Lys Asp Lys Asp Phe Ala Ile Asp Ile Ile Lys Ser Thr His  
 210 215 220

Asp His Trp Lys Ala Leu Val Thr Lys Lys Thr Asn Gly Lys Gly Ile  
 225 230 235 240

Ser Cys Met Asn Thr Thr Leu Ser Glu Ser Pro Phe Lys Cys Asp Pro  
 245 250 255

Asp Ala Ala Arg Ala Ile Val Asp Ala Leu Pro Pro Pro Cys Glu Ser  
 260 265 270

Ala Cys Thr Val Pro Thr Asp Val Asp Lys Trp Phe His His Gln Lys  
 275 280 285

Asn

<210> 196  
 <211> 624  
 <212> PRT  
 <213> Homo sapiens

<400> 196  
 Met Glu Ile Pro Gly Ser Leu Cys Lys Lys Val Lys Leu Ser Asn Asn  
 1 5 10 15

Ala Gln Asn Trp Gly Met Gln Arg Ala Thr Asn Val Thr Tyr Gln Ala  
 20 25 30

His His Val Ser Arg Asn Lys Arg Gly Gln Val Val Gly Thr Arg Gly  
 35 40 45

Gly Phe Arg Gly Cys Thr Val Trp Leu Thr Gly Leu Ser Gly Ala Gly  
 50 55 60

Lys Thr Thr Val Ser Met Ala Leu Glu Glu Tyr Leu Val Cys His Gly  
 65 70 75 80

Ile Pro Cys Tyr Thr Leu Asp Gly Asp Asn Ile Arg Gln Gly Leu Asn  
 85 90 95

Lys Asn Leu Gly Phe Ser Pro Glu Asp Arg Glu Glu Asn Val Arg Arg  
 100 105 110

Ile Ala Glu Val Ala Lys Leu Phe Ala Asp Ala Gly Leu Val Cys Ile  
 115 120 125

Thr Ser Phe Ile Ser Pro Tyr Thr Gln Asp Arg Asn Asn Ala Arg Gln

130					135					140					
Ile	His	Glu	Gly	Ala	Ser	Leu	Pro	Phe	Phe	Glu	Val	Phe	Val	Asp	Ala
145					150					155					160
Pro	Leu	His	Val	Cys	Glu	Gln	Arg	Asp	Val	Lys	Gly	Leu	Tyr	Lys	Lys
				165					170					175	
Ala	Arg	Ala	Gly	Glu	Ile	Lys	Gly	Phe	Thr	Gly	Ile	Asp	Ser	Glu	Tyr
			180					185					190		
Glu	Lys	Pro	Glu	Ala	Pro	Glu	Leu	Val	Leu	Lys	Thr	Asp	Ser	Cys	Asp
		195					200					205			
Val	Asn	Asp	Cys	Val	Gln	Gln	Val	Val	Glu	Leu	Leu	Gln	Glu	Arg	Asp
	210					215					220				
Ile	Val	Pro	Val	Asp	Ala	Ser	Tyr	Glu	Val	Lys	Glu	Leu	Tyr	Val	Pro
225					230					235					240
Glu	Asn	Lys	Leu	His	Leu	Ala	Lys	Thr	Asp	Ala	Glu	Thr	Leu	Pro	Ala
				245					250					255	
Leu	Lys	Ile	Asn	Lys	Val	Asp	Met	Gln	Trp	Val	Gln	Val	Leu	Ala	Glu
			260					265					270		
Gly	Trp	Ala	Thr	Pro	Leu	Asn	Gly	Phe	Met	Arg	Glu	Arg	Glu	Tyr	Leu
		275					280					285			
Gln	Cys	Leu	His	Phe	Asp	Cys	Leu	Leu	Asp	Gly	Gly	Val	Ile	Asn	Leu
	290				295					300					
Ser	Val	Pro	Ile	Val	Leu	Thr	Ala	Thr	His	Glu	Asp	Lys	Glu	Arg	Leu
305					310					315					320
Asp	Gly	Cys	Thr	Ala	Phe	Ala	Leu	Met	Tyr	Glu	Gly	Arg	Arg	Val	Ala
				325					330					335	
Ile	Leu	Arg	Asn	Pro	Glu	Phe	Phe	Glu	His	Arg	Lys	Glu	Glu	Arg	Cys
			340					345					350		
Ala	Arg	Gln	Trp	Gly	Thr	Thr	Cys	Lys	Asn	His	Pro	Tyr	Ile	Lys	Met
		355					360					365			
Val	Met	Glu	Gln	Gly	Asp	Trp	Leu	Ile	Gly	Gly	Asp	Leu	Gln	Val	Leu
	370				375						380				
Asp	Arg	Val	Tyr	Trp	Asn	Asp	Gly	Leu	Asp	Gln	Tyr	Arg	Leu	Thr	Pro
385					390					395					400
Thr	Glu	Leu	Lys	Gln	Lys	Phe	Lys	Asp	Met	Asn	Ala	Asp	Ala	Val	Phe
				405					410					415	
Ala	Phe	Gln	Leu	Arg	Asn	Pro	Val	His	Asn	Gly	His	Ala	Leu	Leu	Met
			420					425					430		
Gln	Asp	Thr	His	Lys	Gln	Leu	Leu	Glu	Arg	Gly	Tyr	Arg	Arg	Pro	Val
		435				440					445				
Leu	Leu	Leu	His	Pro	Leu	Gly	Gly	Trp	Thr	Lys	Asp	Asp	Asp	Val	Pro
	450					455					460				
Leu	Met	Trp	Arg	Met	Lys	Gln	His	Ala	Ala	Val	Leu	Glu	Glu	Gly	Val
465					470					475					480
Leu	Asn	Pro	Glu	Thr	Thr	Val	Val	Ala	Ile	Phe	Pro	Ser	Pro	Met	Met

	485		490		495										
Tyr	Ala	Gly	Pro	Thr	Glu	Val	Gln	Trp	His	Cys	Arg	Ala	Arg	Met	Val
			500					505					510		
Ala	Gly	Ala	Asn	Phe	Tyr	Ile	Val	Gly	Arg	Asp	Pro	Ala	Gly	Met	Pro
		515					520					525			
His	Pro	Glu	Thr	Gly	Lys	Asp	Leu	Tyr	Glu	Pro	Ser	His	Gly	Ala	Lys
	530					535					540				
Val	Leu	Thr	Met	Ala	Pro	Gly	Leu	Ile	Thr	Leu	Glu	Ile	Val	Pro	Phe
545					550					555					560
Arg	Val	Ala	Ala	Tyr	Asn	Lys	Lys	Lys	Lys	Arg	Met	Asp	Tyr	Tyr	Asp
				565					570					575	
Ser	Glu	His	His	Glu	Asp	Phe	Glu	Phe	Ile	Ser	Gly	Thr	Arg	Met	Arg
			580					585					590		
Lys	Leu	Ala	Arg	Glu	Gly	Gln	Lys	Pro	Pro	Glu	Gly	Phe	Met	Ala	Pro
		595					600					605			
Lys	Ala	Trp	Thr	Val	Leu	Thr	Glu	Tyr	Tyr	Lys	Ser	Leu	Glu	Lys	Ala
	610					615					620				

<210> 197  
 <211> 649  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (555)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>  
 <221> MISC\_FEATURE  
 <222> (557)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>  
 <221> MISC\_FEATURE  
 <222> (558)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 197															
Met	Ser	Ala	Ser	Gln	Asp	Leu	Glu	Pro	Lys	Pro	Leu	Phe	Pro	Lys	Pro
1				5					10					15	
Ala	Phe	Gly	Gln	Lys	Pro	Pro	Leu	Ser	Thr	Glu	Asn	Ser	His	Glu	Asp
			20					25					30		
Glu	Ser	Pro	Met	Lys	Asn	Val	Ser	Ser	Lys	Gly	Ser	Pro	Ala	Pro	
		35					40				45				
Leu	Gly	Val	Arg	Ser	Lys	Ser	Gly	Pro	Leu	Lys	Pro	Ala	Arg	Glu	Asp
	50				55						60				

Ser 65	Glu	Asn	Lys	Asp	His 70	Ala	Gly	Glu	Ile	Ser 75	Ser	Leu	Pro	Phe	Pro 80
Gly	Val	Val	Leu	Lys 85	Pro	Ala	Ala	Ser	Arg 90	Gly	Gly	Pro	Gly	Leu 95	Ser
Lys	Asn	Gly	Glu	Lys 100	Lys	Lys	Glu	Asp 105	Arg	Lys	Ile	Asp	Ala 110	Ala	Lys
Asn	Thr	Phe	Gln	Ser 115	Lys	Ile	Asn 120	Gln	Glu	Glu	Leu	Ala 125	Ser	Gly	Thr
Pro	Pro 130	Ala	Arg	Phe	Pro	Lys 135	Ala	Pro	Ser	Lys	Leu 140	Thr	Val	Gly	Gly
Pro 145	Trp	Gly	Gln	Ser	Gln 150	Glu	Lys	Glu	Lys	Gly 155	Asp	Lys	Asn	Ser	Ala 160
Thr	Pro	Lys	Gln	Lys 165	Pro	Leu	Pro	Pro	Leu 170	Phe	Thr	Leu	Gly	Pro 175	Pro
Pro	Pro	Lys	Pro 180	Asn	Arg	Pro	Pro	Asn 185	Val	Asp	Leu	Thr	Lys 190	Phe	His
Lys	Thr	Ser 195	Ser	Gly	Asn	Ser	Thr 200	Ser	Lys	Gly	Gln	Thr 205	Ser	Tyr	Ser
Thr	Thr 210	Ser	Leu	Pro	Pro	Pro 215	Pro	Pro	Ser	His	Pro 220	Ala	Ser	Gln	Pro
Pro 225	Leu	Pro	Ala	Ser	His 230	Pro	Ser	Gln	Pro	Pro 235	Val	Pro	Ser	Leu	Pro 240
Pro	Arg	Asn	Ile	Lys 245	Pro	Pro	Phe	Asp	Leu 250	Lys	Ser	Pro	Val	Asn 255	Glu
Asp	Asn	Gln	Asp 260	Gly	Val	Thr	His	Ser 265	Asp	Gly	Ala	Gly	Asn 270	Leu	Asp
Glu	Glu	Gln	Asp 275	Ser	Glu	Gly	Glu 280	Thr	Tyr	Glu	Asp	Ile 285	Glu	Ala	Ser
Lys	Glu 290	Arg	Glu	Lys	Lys	Arg 295	Glu	Lys	Glu	Glu	Lys 300	Lys	Arg	Leu	Glu
Leu 305	Glu	Lys	Lys	Glu	Gln 310	Lys	Glu	Lys	Glu	Lys 315	Lys	Glu	Gln	Glu	Ile 320
Lys	Lys	Lys	Phe	Lys 325	Leu	Thr	Gly	Pro	Ile 330	Gln	Val	Ile	His	Leu 335	Ala
Lys	Ala	Cys	Cys 340	Asp	Val	Lys	Gly	Gly 345	Lys	Asn	Glu	Leu	Ser 350	Phe	Lys
Gln	Gly	Glu	Gln 355	Ile	Glu	Ile	Ile 360	Arg	Ile	Thr	Asp	Asn 365	Pro	Glu	Gly
Lys	Trp 370	Leu	Gly	Arg	Thr	Ala 375	Arg	Gly	Ser	Tyr	Gly 380	Tyr	Ile	Lys	Thr
Thr 385	Ala	Val	Glu	Ile	Asp 390	Tyr	Asp	Ser	Leu	Lys 395	Leu	Lys	Lys	Asp	Ser 400
Leu	Gly	Ala	Pro	Ser 405	Arg	Pro	Ile	Glu	Asp 410	Asp	Gln	Glu	Val	Tyr 415	Asp

Asp Val Ala Glu Gln Asp Asp Ile Ser Ser His Ser Gln Ser Gly Ser  
                   420                                  425                                  430  
 Gly Gly Ile Phe Pro Pro Pro Pro Asp Asp Asp Ile Tyr Asp Gly Ile  
                   435                                  440                                  445  
 Glu Glu Glu Asp Ala Asp Asp Gly Ser Thr Leu Gln Val Gln Glu Lys  
                   450                                  455                                  460  
 Ser Asn Thr Trp Ser Trp Gly Ile Leu Lys Met Leu Lys Gly Lys Asp  
                   465                                  470                                  475                                  480  
 Asp Arg Lys Lys Ser Ile Arg Glu Lys Pro Lys Val Ser Asp Ser Asp  
                                   485                                  490                                  495  
 Asn Asn Glu Gly Ser Ser Phe Pro Ala Pro Pro Lys Gln Leu Asp Met  
                                   500                                  505                                  510  
 Gly Asp Glu Val Tyr Asp Asp Val Asp Thr Ser Asp Phe Pro Val Ser  
                                   515                                  520                                  525  
 Ser Ala Glu Met Ser Gln Gly Thr Asn Val Gly Lys Ala Lys Thr Glu  
                                   530                                  535                                  540  
 Glu Lys Asp Leu Lys Lys Leu Lys Lys Gln Xaa Lys Xaa Xaa Lys Asp  
                                   545                                  550                                  555                                  560  
 Phe Arg Lys Lys Phe Lys Tyr Asp Gly Glu Ile Arg Val Leu Tyr Ser  
                                   565                                  570                                  575  
 Thr Lys Val Thr Thr Ser Ile Thr Ser Lys Lys Trp Gly Thr Arg Asp  
                                   580                                  585                                  590  
 Leu Gln Val Lys Pro Gly Glu Ser Leu Glu Val Ile Gln Thr Thr Asp  
                                   595                                  600                                  605  
 Asp Thr Lys Val Leu Cys Arg Asn Glu Glu Gly Lys Tyr Gly Tyr Val  
                                   610                                  615                                  620  
 Leu Arg Ser Tyr Leu Ala Asp Asn Asp Gly Glu Ile Tyr Asp Asp Ile  
                                   625                                  630                                  635                                  640  
 Ala Asp Gly Cys Ile Tyr Asp Asn Asp  
                                   645

<210> 198  
 <211> 55  
 <212> PRT  
 <213> Homo sapiens

<400> 198  
 Met Ala Trp Pro Ser Arg Ser Lys Met Phe Thr Leu Leu Pro Val Leu  
   1                                  5                                  10                                  15  
 Cys Tyr Leu Trp Ser Leu Trp Leu Pro Gln Phe Ser Trp Ile Gln Glu  
                   20                                  25                                  30  
 Leu Lys Ala Val Leu Arg Asp Asp Gly Leu Ile Ser Ala Val Ala Trp  
                   35                                  40                                  45  
 Asn Ala Glu Phe Gln Thr Cys  
   50                                  55

<210> 199  
 <211> 266  
 <212> PRT  
 <213> Homo sapiens

<400> 199  
 Met Val Lys Val Thr Phe Asn Ser Ala Leu Ala Gln Lys Glu Ala Lys  
 1 5 10 15  
 Lys Asp Glu Pro Lys Ser Gly Glu Glu Ala Leu Ile Ile Pro Pro Asp  
 20 25 30  
 Ala Val Ala Val Asp Cys Lys Asp Pro Asp Asp Val Val Pro Val Gly  
 35 40 45  
 Gln Arg Arg Ala Trp Cys Trp Cys Met Cys Phe Gly Leu Ala Phe Met  
 50 55 60  
 Leu Ala Gly Val Ile Leu Gly Gly Ala Tyr Leu Tyr Lys Tyr Phe Ala  
 65 70 75 80  
 Leu Gln Pro Asp Asp Val Tyr Tyr Cys Gly Ile Lys Tyr Ile Lys Asp  
 85 90 95  
 Asp Val Ile Leu Asn Glu Pro Ser Ala Asp Ala Pro Ala Ala Leu Tyr  
 100 105 110  
 Gln Thr Ile Glu Glu Asn Ile Lys Ile Phe Glu Glu Glu Glu Val Glu  
 115 120 125  
 Phe Ile Ser Val Pro Val Pro Glu Phe Ala Asp Ser Asp Pro Ala Asn  
 130 135 140  
 Ile Val His Asp Phe Asn Lys Lys Leu Thr Ala Tyr Leu Asp Leu Asn  
 145 150 155 160  
 Leu Asp Lys Cys Tyr Val Ile Pro Leu Asn Thr Ser Ile Val Met Pro  
 165 170 175  
 Pro Arg Asn Leu Leu Glu Leu Leu Ile Asn Ile Lys Ala Gly Thr Tyr  
 180 185 190  
 Leu Pro Gln Ser Tyr Leu Ile His Glu His Met Val Ile Thr Asp Arg  
 195 200 205  
 Ile Glu Asn Ile Asp His Leu Gly Phe Phe Ile Tyr Arg Leu Cys His  
 210 215 220  
 Asp Lys Glu Thr Tyr Lys Leu Gln Arg Arg Glu Thr Ile Lys Gly Ile  
 225 230 235 240  
 Gln Lys Arg Glu Ala Ser Asn Cys Phe Ala Ile Arg His Phe Glu Asn  
 245 250 255  
 Lys Phe Ala Val Glu Thr Leu Ile Cys Ser  
 260 265

<210> 200  
 <211> 315  
 <212> PRT  
 <213> Homo sapiens



&lt;400&gt; 200

Met Asp Leu Arg Gln Phe Leu Met Cys Leu Ser Leu Cys Thr Ala Phe  
 1 5 10 15  
 Ala Leu Ser Lys Pro Thr Glu Lys Lys Asp Arg Val His His Glu Pro  
 20 25 30  
 Gln Leu Ser Asp Lys Val His Asn Asp Ala Gln Ser Phe Asp Tyr Asp  
 35 40 45  
 His Asp Ala Phe Leu Gly Ala Glu Glu Ala Lys Thr Phe Asp Gln Leu  
 50 55 60  
 Thr Pro Glu Glu Ser Lys Glu Arg Leu Gly Lys Ile Val Ser Lys Ile  
 65 70 75 80  
 Asp Gly Asp Lys Asp Gly Phe Val Thr Val Asp Glu Leu Lys Asp Trp  
 85 90 95  
 Ile Lys Phe Ala Gln Lys Arg Trp Ile Tyr Glu Asp Val Glu Arg Gln  
 100 105 110  
 Trp Lys Gly His Asp Leu Asn Glu Asp Gly Leu Val Ser Trp Glu Glu  
 115 120 125  
 Tyr Lys Asn Ala Thr Tyr Gly Tyr Val Leu Asp Asp Pro Asp Pro Asp  
 130 135 140  
 Asp Gly Phe Asn Tyr Lys Gln Met Met Val Arg Asp Glu Arg Arg Phe  
 145 150 155 160  
 Lys Met Ala Asp Lys Asp Gly Asp Leu Ile Ala Thr Lys Glu Glu Phe  
 165 170 175  
 Thr Ala Phe Leu His Pro Glu Glu Tyr Asp Tyr Met Lys Asp Ile Val  
 180 185 190  
 Val Gln Glu Thr Met Glu Asp Ile Asp Lys Asn Ala Asp Gly Phe Ile  
 195 200 205  
 Asp Leu Glu Glu Tyr Ile Gly Asp Met Tyr Ser His Asp Gly Asn Thr  
 210 215 220  
 Asp Glu Pro Glu Trp Val Lys Thr Glu Arg Glu Gln Phe Val Glu Phe  
 225 230 235 240  
 Arg Asp Lys Asn Arg Asp Gly Lys Met Asp Lys Glu Glu Thr Lys Asp  
 245 250 255  
 Trp Ile Leu Pro Ser Asp Tyr Asp His Ala Glu Ala Glu Ala Arg His  
 260 265 270  
 Leu Val Tyr Glu Ser Asp Gln Asn Lys Asp Gly Lys Leu Thr Lys Glu  
 275 280 285  
 Glu Ile Val Asp Lys Tyr Asp Leu Phe Val Gly Ser Gln Ala Thr Asp  
 290 295 300  
 Phe Gly Glu Ala Leu Val Arg His Asp Glu Phe  
 305 310 315

&lt;210&gt; 201

&lt;211&gt; 207

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 201

Met Phe Asp Ala Val Leu Ile Leu Leu Leu Ile Pro Leu Lys Asp Lys  
 1 5 10 15  
 Leu Val Asp Pro Ile Leu Arg Arg His Gly Leu Leu Pro Ser Ser Leu  
 20 25 30  
 Lys Arg Ile Ala Val Gly Met Phe Phe Val Met Cys Ser Ala Phe Ala  
 35 40 45  
 Ala Gly Ile Leu Glu Ser Lys Arg Leu Asn Leu Val Lys Glu Lys Thr  
 50 55 60  
 Ile Asn Gln Thr Ile Gly Asn Val Val Tyr His Ala Ala Asp Leu Ser  
 65 70 75 80  
 Leu Trp Trp Gln Val Pro Gln Tyr Leu Leu Ile Gly Ile Ser Glu Ile  
 85 90 95  
 Phe Ala Ser Ile Ala Gly Leu Glu Phe Ala Tyr Ser Ala Ala Pro Lys  
 100 105 110  
 Ser Met Gln Ser Ala Ile Met Gly Leu Phe Phe Phe Phe Ser Gly Val  
 115 120 125  
 Gly Ser Phe Val Gly Ser Gly Leu Leu Ala Leu Val Ser Ile Lys Ala  
 130 135 140  
 Ile Gly Trp Met Ser Ser His Thr Asp Phe Gly Asn Ile Asn Gly Cys  
 145 150 155 160  
 Tyr Leu Asn Tyr Tyr Phe Phe Leu Leu Ala Ala Ile Gln Gly Ala Thr  
 165 170 175  
 Leu Leu Leu Phe Leu Ile Ile Ser Val Lys Tyr Asp His His Arg Asp  
 180 185 190  
 His Gln Arg Ser Arg Ala Asn Gly Val Pro Thr Ser Arg Arg Ala  
 195 200 205

&lt;210&gt; 202

&lt;211&gt; 195

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 202

Met Arg Ser Arg Ile Arg Glu Phe Asp Ser Ser Thr Leu Asn Glu Ser  
 1 5 10 15  
 Val Arg Asn Thr Ile Met Arg Asp Leu Lys Ala Val Gly Lys Lys Phe  
 20 25 30  
 Met His Val Leu Tyr Pro Arg Lys Ser Asn Thr Leu Leu Arg Asp Trp  
 35 40 45  
 Asp Leu Trp Gly Pro Leu Ile Leu Cys Val Thr Leu Ala Leu Met Leu  
 50 55 60  
 Gln Arg Asp Ser Ala Asp Ser Glu Lys Asp Gly Gly Pro Gln Phe Ala  
 65 70 75 80  
 Glu Val Phe Val Ile Val Trp Phe Gly Ala Val Thr Ile Thr Leu Asn

85										90				95			
Ser	Lys	Leu	Leu	Gly	Gly	Asn	Ile	Ser	Phe	Phe	Gln	Ser	Leu	Cys	Val		
			100					105					110				
Leu	Gly	Tyr	Cys	Ile	Leu	Pro	Leu	Thr	Val	Ala	Met	Leu	Ile	Cys	Arg		
		115					120					125					
Leu	Val	Leu	Leu	Ala	Asp	Pro	Gly	Pro	Val	Asn	Phe	Met	Val	Arg	Leu		
		130				135					140						
Phe	Val	Val	Ile	Val	Met	Phe	Ala	Trp	Ser	Ile	Val	Ala	Ser	Thr	Ala		
145					150					155					160		
Phe	Leu	Ala	Asp	Ser	Gln	Pro	Pro	Asn	Arg	Arg	Ala	Leu	Ala	Val	Tyr		
				165					170					175			
Pro	Val	Phe	Leu	Phe	Tyr	Phe	Val	Ile	Ser	Trp	Met	Ile	Leu	Thr	Phe		
			180					185					190				
Thr	Pro	Gln															
		195															
<210> 203																	
<211> 330																	
<212> PRT																	
<213> Homo sapiens																	
<400> 203																	
Met	Ala	Lys	Asp	Gln	Ala	Val	Glu	Asn	Ile	Leu	Val	Ser	Pro	Val	Val		
1				5					10					15			
Val	Ala	Ser	Ser	Leu	Gly	Leu	Val	Ser	Leu	Gly	Gly	Lys	Ala	Thr	Thr		
			20					25					30				
Ala	Ser	Gln	Ala	Lys	Ala	Val	Leu	Ser	Ala	Glu	Gln	Leu	Arg	Asp	Glu		
		35					40					45					
Glu	Val	His	Ala	Gly	Leu	Gly	Glu	Leu	Leu	Arg	Ser	Leu	Ser	Asn	Ser		
		50				55					60						
Thr	Ala	Arg	Asn	Val	Thr	Trp	Lys	Leu	Gly	Ser	Arg	Leu	Tyr	Gly	Pro		
					70					75					80		
Ser	Ser	Val	Ser	Phe	Ala	Asp	Asp	Phe	Val	Arg	Ser	Ser	Lys	Gln	His		
				85					90					95			
Tyr	Asn	Cys	Glu	His	Ser	Lys	Ile	Asn	Phe	Arg	Asp	Lys	Arg	Ser	Ala		
			100					105					110				
Leu	Gln	Ser	Ile	Asn	Glu	Trp	Ala	Ala	Gln	Thr	Thr	Asp	Gly	Lys	Leu		
		115					120					125					
Pro	Glu	Val	Thr	Lys	Asp	Val	Glu	Arg	Thr	Asp	Gly	Ala	Leu	Leu	Val		
		130				135					140						
Asn	Ala	Met	Phe	Phe	Lys	Pro	His	Trp	Asp	Glu	Lys	Phe	His	His	Lys		
145					150					155					160		
Met	Val	Asp	Asn	Arg	Gly	Phe	Met	Val	Thr	Arg	Ser	Tyr	Thr	Val	Gly		
				165					170					175			
Val	Met	Met	Met	His	Arg	Thr	Gly	Leu	Tyr	Asn	Tyr	Tyr	Asp	Asp	Glu		
				180				185					190				

Lys Glu Lys Leu Gln Ile Val Glu Met Pro Leu Ala His Lys Leu Ser  
 195 200 205  
 Ser Leu Ile Ile Leu Met Pro His His Val Glu Pro Leu Glu Arg Leu  
 210 215 220  
 Glu Lys Leu Leu Thr Lys Glu Gln Leu Lys Ile Trp Met Gly Lys Met  
 225 230 235 240  
 Gln Lys Lys Ala Val Ala Ile Ser Leu Pro Lys Gly Val Val Glu Val  
 245 250 255  
 Thr His Asp Leu Gln Lys His Leu Ala Gly Leu Gly Leu Thr Glu Ala  
 260 265 270  
 Ile Asp Lys Asn Lys Ala Asp Leu Ser Arg Met Ser Gly Lys Lys Asp  
 275 280 285  
 Leu Tyr Leu Ala Ser Val Phe His Ala Thr Ala Phe Glu Leu Asp Thr  
 290 295 300  
 Asp Gly Asn Pro Leu Thr Arg Ile Thr Gly Gly Gly Val Arg Thr Gln  
 305 310 315 320  
 Val Phe Tyr Ala Asp His Pro Phe Ile Ser  
 325 330

<210> 204  
 <211> 58  
 <212> PRT  
 <213> Homo sapiens

<400> 204  
 Met Cys Met Gln Leu Phe Gly Phe Leu Ala Phe Met Ile Phe Met Cys  
 1 5 10 15  
 Trp Val Gly Asp Val Tyr Pro Val Tyr Gln Pro Val Gly Pro Lys Gln  
 20 25 30  
 Tyr Pro Tyr Asn Asn Leu Tyr Leu Glu Arg Gly Gly Asp Pro Ser Lys  
 35 40 45  
 Glu Pro Glu Arg Val Val His Tyr Glu Ile  
 50 55

<210> 205  
 <211> 392  
 <212> PRT  
 <213> Homo sapiens

<400> 205  
 Met Asp Ala Leu Val Glu Asp Asp Ile Cys Ile Leu Asn His Glu Lys  
 1 5 10 15  
 Ala His Lys Arg Asp Thr Val Thr Pro Val Ser Ile Tyr Ser Gly Asp  
 20 25 30  
 Glu Ser Val Ala Ser His Phe Ala Leu Val Thr Ala Tyr Glu Asp Ile  
 35 40 45  
 Lys Lys Arg Leu Lys Asp Ser Glu Lys Glu Asn Ser Leu Leu Lys Lys

50					55					60					
Arg	Ile	Arg	Phe	Leu	Glu	Glu	Lys	Leu	Ile	Ala	Arg	Phe	Glu	Glu	Glu
65					70					75					80
Thr	Ser	Ser	Val	Gly	Arg	Glu	Gln	Val	Asn	Lys	Ala	Tyr	His	Ala	Tyr
				85					90					95	
Arg	Glu	Val	Cys	Ile	Asp	Arg	Asp	Asn	Leu	Lys	Ser	Lys	Leu	Asp	Lys
			100					105					110		
Met	Asn	Lys	Asp	Asn	Ser	Glu	Ser	Leu	Lys	Val	Leu	Asn	Glu	Gln	Leu
		115					120					125			
Gln	Ser	Lys	Glu	Val	Glu	Leu	Leu	Gln	Leu	Arg	Thr	Glu	Val	Glu	Thr
	130					135					140				
Gln	Gln	Val	Met	Arg	Asn	Leu	Asn	Pro	Pro	Ser	Ser	Asn	Trp	Glu	Val
145					150					155					160
Glu	Lys	Leu	Ser	Cys	Asp	Leu	Lys	Ile	His	Gly	Leu	Glu	Gln	Glu	Leu
				165					170					175	
Glu	Leu	Met	Arg	Lys	Glu	Cys	Ser	Asp	Leu	Lys	Ile	Glu	Leu	Gln	Lys
			180					185					190		
Ala	Lys	Gln	Thr	Asp	Pro	Tyr	Gln	Glu	Asp	Asn	Leu	Lys	Ser	Arg	Asp
		195					200					205			
Leu	Gln	Lys	Leu	Ser	Ile	Ser	Ser	Asp	Asn	Met	Gln	His	Ala	Tyr	Trp
	210					215					220				
Glu	Leu	Lys	Arg	Glu	Met	Ser	Asn	Leu	His	Leu	Val	Thr	Gln	Val	Gln
225					230					235					240
Ala	Glu	Leu	Leu	Arg	Lys	Leu	Lys	Thr	Ser	Thr	Ala	Ile	Lys	Lys	Ala
			245						250					255	
Cys	Ala	Pro	Val	Gly	Cys	Ser	Glu	Asp	Leu	Gly	Arg	Asp	Ser	Thr	Lys
			260					265					270		
Leu	His	Leu	Met	Asn	Phe	Thr	Ala	Thr	Tyr	Thr	Arg	His	Pro	Pro	Leu
		275					280					285			
Leu	Pro	Asn	Gly	Lys	Ala	Leu	Cys	His	Thr	Thr	Ser	Ser	Pro	Leu	Pro
	290					295					300				
Gly	Asp	Val	Lys	Val	Leu	Ser	Glu	Lys	Ala	Ile	Leu	Gln	Ser	Trp	Thr
305					310					315					320
Asp	Asn	Glu	Arg	Ser	Ile	Pro	Asn	Asp	Gly	Thr	Cys	Phe	Gln	Glu	His
				325					330					335	
Ser	Ser	Tyr	Gly	Arg	Asn	Ser	Leu	Glu	Asp	Asn	Ser	Trp	Val	Phe	Pro
			340					345					350		
Ser	Pro	Pro	Lys	Ser	Ser	Glu	Thr	Ala	Phe	Gly	Glu	Thr	Lys	Thr	Lys
		355					360					365			
Thr	Leu	Pro	Leu	Pro	Asn	Leu	Pro	Pro	Leu	His	Tyr	Leu	Asp	Gln	His
	370					375					380				
Asn	Gln	Asn	Cys	Leu	Tyr	Lys	Asn								
385					390										

<400> 209  
Met Ser Lys Arg Ser Ala Ser Phe Ile Leu Leu Pro Leu Leu Phe Leu  
1 5 10 15  
Lys Gly Ser Phe Ala Lys Leu Asn Ala Arg Ile Ser Asp Cys Leu Glu  
20 25 30

Glu Arg Tyr Cys His Asn Leu Trp Met Val Phe Gln Gly Cys Val Ile  
                   35                  40                  45  
 Thr Glu Leu His Leu Ser Arg Met Ser Lys Thr Leu Ser Ser Leu Cys  
           50                  55                  60  
 Tyr Asp Phe Val Ile Asn Val Tyr Ile Phe Phe Lys Phe Leu Asp Ile  
   65                  70                  75                  80  
 Thr

<210> 210  
 <211> 49  
 <212> PRT  
 <213> Homo sapiens

<400> 210  
 Met Cys Ser Leu Phe Glu Ser Arg Phe Phe Cys Phe Val Leu Phe Ser  
   1                  5                  10                  15  
 Glu Lys Ile Ile Gln Leu Cys Ala Ser Ile Ala Phe Leu Cys Phe Val  
                   20                  25                  30  
 Lys His Val Pro Trp Pro Lys Trp Lys Arg Lys Cys Leu Ile Asn Ala  
                   35                  40                  45  
 Phe

<210> 211  
 <211> 203  
 <212> PRT  
 <213> Homo sapiens

<400> 211  
 Met Thr Leu Arg Pro Ser Leu Leu Pro Leu His Leu Leu Leu Leu  
   1                  5                  10                  15  
 Leu Leu Ser Ala Ala Val Cys Arg Ala Glu Ala Gly Leu Glu Thr Glu  
                   20                  25                  30  
 Ser Pro Val Arg Thr Leu Gln Val Glu Thr Leu Val Glu Pro Pro Glu  
                   35                  40                  45  
 Pro Cys Ala Glu Pro Ala Ala Phe Gly Asp Thr Leu His Ile His Tyr  
                   50                  55                  60  
 Thr Gly Ser Leu Val Asp Gly Arg Ile Ile Asp Thr Ser Leu Thr Arg  
   65                  70                  75                  80  
 Asp Pro Leu Val Ile Glu Leu Gly Gln Lys Gln Val Ile Pro Gly Leu  
                   85                  90                  95  
 Glu Gln Ser Leu Leu Asp Met Cys Val Gly Glu Lys Arg Arg Ala Ile  
                   100                  105                  110  
 Ile Pro Ser His Leu Ala Tyr Gly Lys Arg Gly Phe Pro Pro Ser Val  
                   115                  120                  125  
 Pro Ala Asp Ala Val Val Gln Tyr Asp Val Glu Leu Ile Ala Leu Ile

130 135 140  
 Arg Ala Asn Tyr Trp Leu Lys Leu Val Lys Gly Ile Leu Pro Leu Val  
 145 150 155 160  
 Gly Met Ala Met Val Pro Pro Ser Trp Ala Ser Leu Gly Ile Thr Tyr  
 165 170 175  
 Thr Glu Arg Pro Ile Asp Pro Lys Ser Pro Lys Arg Ser Ser Arg Lys  
 180 185 190  
 Arg Asn Glu Thr Arg Ala Lys Arg Asn Asn Lys  
 195 200

<210> 212

<211> 186

<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE

<222> (122)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC\_FEATURE

<222> (136)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC\_FEATURE

<222> (142)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 212

Met Lys Thr Leu Met Thr Ile Cys Pro Gly Thr Val Leu Leu Val Phe  
 1 5 10 15

Ser Ile Ser Leu Trp Ile Ile Ala Ala Trp Thr Val Arg Val Cys Glu  
 20 25 30

Ser Pro Glu Ser Pro Ala Gln Pro Ser Gly Ser Ser Leu Pro Ala Trp  
 35 40 45

Tyr His Asp Gln Gln Asp Val Thr Ser Asn Phe Leu Gly Ala Met Trp  
 50 55 60

Leu Ile Ser Ile Thr Phe Leu Ser Ile Gly Tyr Gly Asp Met Val Pro  
 65 70 75 80

His Thr Tyr Cys Gly Lys Gly Val Cys Leu Leu Thr Gly Ile Met Gly  
 85 90 95

Ala Gly Cys Thr Ala Leu Val Val Ala Val Val Ala Arg Lys Leu Glu  
 100 105 110

Leu Thr Lys Ala Glu Lys His Val His Xaa Phe Met Met Asp Thr Gln  
 115 120 125

Leu Thr Lys Arg Ile Lys Asn Xaa Ala Ala Asn Val Leu Xaa Glu Thr  
 130 135 140



Trp Leu Ile Tyr Lys His Thr Lys Leu Leu Lys Lys Ile Asp His Ala  
145 150 155 160

Lys Val Arg Asn Thr Arg Gly Ser Ser Ser Lys Tyr Pro Pro Val Glu  
165 170 175

Glu Arg Gln Asp Gly Thr Glu Glu Ala Glu  
180 185

<210> 213

<211> 90

<212> PRT

<213> Homo sapiens

<400> 213

Met Lys Phe Leu Ala Val Leu Val Leu Leu Gly Val Ser Ile Phe Leu  
1 5 10 15

Val Ser Ala Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Pro  
20 25 30

Ala Thr Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Thr Thr Ala  
35 40 45

Ala Ala Thr Thr Ala Thr Thr Ala Ala Pro Thr Thr Ala Thr Thr Ala  
50 55 60

Ala Ser Thr Thr Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val  
65 70 75 80

Gly Asp Leu Pro Asn Gly Arg Val Cys Pro  
85 90

<210> 214

<211> 48

<212> PRT

<213> Homo sapiens

<400> 214

Met Ser Ser Ala Ala Ala Asp His Trp Ala Trp Leu Leu Val Leu Ser  
1 5 10 15

Phe Val Phe Gly Cys Asn Val Leu Arg Ile Leu Leu Pro Ser Phe Ser  
20 25 30

Ser Phe Met Ser Arg Val Leu Gln Lys Asp Ala Asp Arg Ser His Arg  
35 40 45

<210> 215

<211> 70

<212> PRT

<213> Homo sapiens

<400> 215

Met Thr Ala Pro Leu Pro Pro Leu Ser Gly Leu Ala Leu Phe Leu Ile  
1 5 10 15

Val Phe Phe Ser Leu Gly Val Phe Cys Ile Cys His Ser His Trp Tyr  
                   20                  25                  30  
 His Thr Leu Gln Gln Met Ala Gly Thr Glu Pro Lys Ala Leu Leu Leu  
                   35                  40                  45  
 Ser Pro Pro Ala Ala Thr Thr Phe Val Thr Val Thr His Glu Val Trp  
                   50                  55                  60  
 Lys Glu Gln Ala Leu Ala  
                   65                  70

<210> 216  
 <211> 83  
 <212> PRT  
 <213> Homo sapiens

<400> 216  
 Met Thr Cys Ser Val Ala Leu Leu Leu Ile Leu Gly Leu Arg Cys Ser  
   1                  5                  10                  15  
 Gly Val Arg Pro Gly Leu Val Gly Glu Gly His Asn Pro Ser Leu Leu  
                   20                  25                  30  
 Val Cys Leu Leu Leu Lys Asp Ser Arg Thr Asn Gln Gly Ser Cys Pro  
                   35                  40                  45  
 Gly Gly Pro Trp Ser Glu Arg Asp Ile Glu Ser Val Thr Ser Asp Asn  
                   50                  55                  60  
 Cys Glu Ala Thr Leu Gly Tyr Arg Asn His Ser Leu Pro Ser Asn Tyr  
                   65                  70                  75                  80  
 Tyr Asn Ser

<210> 217  
 <211> 43  
 <212> PRT  
 <213> Homo sapiens

<400> 217  
 Met Leu Thr Arg Ser Leu Lys Thr Leu Pro Ser Ala Cys Thr Ala Phe  
   1                  5                  10                  15  
 Leu Leu Leu Phe Phe Leu Phe Ser Ser Gly Asp Pro Glu Leu Ser Cys  
                   20                  25                  30  
 Ser Cys Thr Leu Arg Thr Gln Ser Ser Trp Ser  
                   35                  40

<210> 218  
 <211> 184  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (140)

118

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC\_FEATURE

<222> (145)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC\_FEATURE

<222> (146)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC\_FEATURE

<222> (148)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC\_FEATURE

<222> (165)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 218

Met Trp Arg Pro Ser Val Leu Leu Leu Leu Leu Leu Arg His Gly  
1 5 10 15

Ala Gln Gly Lys Pro Ser Pro Asp Ala Gly Pro His Gly Gln Gly Arg  
20 25 30

Val His Gln Ala Ala Pro Leu Ser Asp Ala Pro His Asp Asp Ala His  
35 40 45

Gly Asn Phe Gln Tyr Asp His Glu Ala Phe Leu Gly Arg Glu Val Ala  
50 55 60

Lys Glu Phe Asp Gln Leu Thr Pro Glu Glu Ser Gln Ala Arg Leu Gly  
65 70 75 80

Arg Ile Val Asp Arg Met Asp Arg Ala Gly Asp Gly Asp Gly Trp Val  
85 90 95

Ser Leu Ala Glu Leu Arg Ala Trp Ile Ala His Thr Gln Gln Arg His  
100 105 110

Ile Arg Asp Ser Val Ser Ala Ala Trp Asp Thr Tyr Asp Thr Asp Arg  
115 120 125

Asp Gly Arg Val Gly Trp Glu Glu Leu Arg Asn Xaa Thr Tyr Gly His  
130 135 140

Xaa Xaa Pro Xaa Glu Glu Phe His Asp Val Glu Asp Ala Glu Thr Tyr  
145 150 155 160

Lys Lys Met Leu Xaa Arg Asp Glu Arg Arg Phe Arg Val Ala Asp Gln  
165 170 175

Asp Gly Asp Ser Met Ala Thr Arg  
180

<210> 219  
 <211> 71  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (40)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>  
 <221> MISC\_FEATURE  
 <222> (51)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>  
 <221> MISC\_FEATURE  
 <222> (55)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 219  
 Met Trp Leu Phe Ile Leu Leu Ser Leu Ala Leu Ile Ser Asp Ala Met  
           1                  5                  10                  15  
 Val Met Asp Glu Lys Val Lys Arg Ser Leu Cys Trp Thr Arg Leu Leu  
                   20                  25                  30  
 Pro Ser Ala Thr Thr Met Pro Xaa Thr Arg Ile Thr Pro Asn Thr Gly  
                   35                  40                  45  
 Ala Glu Xaa Ile Ser Val Xaa Thr Ala Thr Ser Ser Pro Ser Pro Leu  
           50                  55                  60  
 Thr Ala Pro Ile Met Trp Pro  
       65                  70

<210> 220  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 220  
 Met His Val Phe Val Leu Glu Ile Phe Leu  
       1                  5                  10

<210> 221  
 <211> 138  
 <212> PRT  
 <213> Homo sapiens

<400> 221  
 Met Ala Val Ala Thr Leu Ala Ser Glu Thr Leu Pro Leu Leu Ala Leu  
       1                  5                  10                  15  
 Thr Phe Ile Thr Asp Asn Ser Leu Val Ala Ala Gly His Asp Cys Phe  
           20                  25                  30  
 Pro Val Leu Phe Thr Tyr Asp Ala Ala Ala Gly Met Leu Ser Phe Gly

35                      40                      45  
 Gly Arg Leu Asp Val Pro Lys Gln Ser Ser Gln Arg Gly Leu Thr Ala  
     50                      55                      60  
 Arg Glu Arg Phe Gln Asn Leu Asp Lys Lys Ala Ser Ser Glu Gly Gly  
     65                      70                      75                      80  
 Thr Ala Ala Gly Ala Gly Leu Asp Ser Leu His Lys Asn Ser Val Ser  
                     85                      90                      95  
 Gln Ile Ser Val Leu Ser Gly Gly Lys Ala Lys Cys Ser Gln Phe Cys  
                     100                      105                      110  
 Thr Thr Gly Met Asp Gly Gly Met Ser Ile Trp Asp Val Lys Ser Leu  
                     115                      120                      125  
 Glu Ser Ala Leu Lys Asp Leu Lys Ile Lys  
     130                      135

<210> 222  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 222  
 Met Ser Gly Gly Leu Ser Phe Leu Leu Leu Val  
     1                      5                      10

<210> 223  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<400> 223  
 Leu Gly Ser Leu Ser Thr Ala Pro Ser Ser Ala Leu Pro Thr Leu Gly  
     1                      5                      10                      15  
 Ala Arg Arg Thr Arg Ser Lys  
                     20

<210> 224  
 <211> 66  
 <212> PRT  
 <213> Homo sapiens

<400> 224  
 Met Thr Tyr Phe Ser Gly Leu Leu Val Ile Leu Ala Phe Ala Ala Trp  
     1                      5                      10                      15  
 Val Ala Leu Ala Glu Gly Leu Gly Val Ala Val Tyr Ala Ala Val  
                     20                      25                      30  
 Leu Leu Gly Ala Gly Cys Ala Thr Ile Leu Val Thr Ser Leu Ala Met  
                     35                      40                      45  
 Thr Ala Asp Leu Ile Gly Pro His Thr Asn Ser Gly Leu Ser Cys Thr  
     50                      55                      60  
 Ala Pro

65

<210> 225  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 225  
 Gly Lys Pro Thr Gly Lys Ser Leu Pro Leu Met Trp Met Ile Leu Met  
     1                    5                    10                    15  
 Gln Pro Ile Ile Met Ile Ser Met Met Ser Asn Gly  
                     20                    25

<210> 226  
 <211> 61  
 <212> PRT  
 <213> Homo sapiens

<400> 226  
 Met Gln Gly Lys Phe Met Lys Val Gln Val Tyr Arg Phe Leu Lys Tyr  
     1                    5                    10                    15  
 Leu Leu Met Leu Leu Cys Met Phe Val Asn Arg Gly Met Ser Lys Asp  
                     20                    25                    30  
 Ser Thr Lys Lys Pro Gly Gln Glu Lys Leu Lys Val Ser Leu Gly Ser  
                     35                    40                    45  
 Ile Leu Asn Met Lys Ser Gln Arg Pro Leu Ser Trp Cys  
     50                    55                    60

<210> 227  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

<400> 227  
 Met Met Glu Arg Ser Met Met Ile Leu Leu Met Ala Ala Ser Met Thr  
     1                    5                    10                    15  
 Met Thr Ser Thr Gln Leu Trp Ser Phe Cys Cys Val His  
                     20                    25

<210> 228  
 <211> 18  
 <212> PRT  
 <213> Homo sapiens

<400> 228  
 Met Trp Tyr Gln Leu Ala Lys Glu Glu Pro Gly Val Gly Ala Cys Ala  
     1                    5                    10                    15  
 Leu Asp

<210> 229

<211> 72  
 <212> PRT  
 <213> Homo sapiens

<400> 229  
 Met Leu Ile Cys Arg Leu Val Leu Leu Ala Asp Pro Gly Pro Val Asn  
   1                  5                  10                  15  
 Phe Met Val Arg Leu Phe Val Val Ile Val Met Phe Ala Trp Ser Ile  
                   20                  25                  30  
 Val Ala Ser Thr Ala Phe Leu Ala Asp Ser Gln Pro Pro Asn Arg Arg  
           35                  40                  45  
 Ala Leu Ala Val Tyr Pro Val Phe Leu Phe Tyr Phe Val Ile Ser Trp  
   50                  55                  60  
 Met Ile Leu Thr Phe Thr Pro Gln  
   65                  70

<210> 230  
 <211> 142  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (47)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins  
 <220>  
 <221> MISC\_FEATURE  
 <222> (121)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<400> 230  
 Met Arg Ser Leu Leu Leu Leu Ser Ala Phe Cys Leu Leu Glu Ala Ala  
   1                  5                  10                  15  
 Leu Ala Ala Glu Val Lys Lys Pro Ala Ala Ala Ala Ala Pro Gly Thr  
           20                  25                  30  
 Ala Glu Lys Leu Ser Pro Lys Ala Ala Thr Leu Ala Glu Arg Xaa Arg  
           35                  40                  45  
 Pro Gly Leu Gln Leu Val Pro Gly His Gly Gln Gly Pro Gly Ser Gly  
   50                  55                  60  
 Glu His Pro Gly Val Thr Arg Gly Gly Gly Leu Val Ala Gly Ala Arg  
   65                  70                  75                  80  
 Val Ala Gly Arg Gln Gly Asp His Gly Val Ala Gly Gln Gly Ser Ala  
           85                  90                  95  
 Glu Arg Arg Ala Ala Ala Arg Arg Gly Gly Ala Arg Arg Pro Gly Arg  
          100                 105                 110  
 Ala Ala Ala Leu Thr Gln Gln Leu Xaa Gly Ala Gln Arg Asp Leu Glu  
  115                 120                 125  
 Ala Gly Gln Pro Thr Val Arg Thr Gln Leu Ser Glu Leu Arg

130

135

140

<210> 231  
 <211> 54  
 <212> PRT  
 <213> Homo sapiens

<400> 231  
 Asp Pro Glu Ala Ala Asp Ser Gly Glu Pro Gln Asn Lys Arg Thr Pro  
 1 5 10 15  
 Asp Leu Pro Glu Glu Glu Tyr Val Lys Glu Glu Ile Gln Glu Asn Glu  
 20 25 30  
 Glu Ala Val Lys Lys Met Leu Val Glu Ala Thr Arg Glu Phe Glu Glu  
 35 40 45  
 Val Val Val Asp Glu Ser  
 50

<210> 232  
 <211> 63  
 <212> PRT  
 <213> Homo sapiens

<400> 232  
 Gln Lys Leu Lys Arg Lys Ala Glu Glu Asp Pro Glu Ala Ala Asp Ser  
 1 5 10 15  
 Gly Glu Pro Gln Asn Lys Arg Thr Pro Asp Leu Pro Glu Glu Glu Tyr  
 20 25 30  
 Val Lys Glu Glu Ile Gln Glu Asn Glu Glu Ala Val Lys Lys Met Leu  
 35 40 45  
 Val Glu Ala Thr Arg Glu Phe Glu Glu Val Val Val Asp Glu Ser  
 50 55 60

<210> 233  
 <211> 113  
 <212> PRT  
 <213> Homo sapiens

<400> 233  
 Lys Ala Met Glu Lys Ser Ser Leu Thr Gln His Ser Trp Gln Ser Leu  
 1 5 10 15  
 Lys Asp Arg Tyr Leu Lys His Leu Arg Gly Gln Glu His Lys Tyr Leu  
 20 25 30  
 Leu Gly Asp Ala Pro Val Ser Pro Ser Ser Gln Lys Leu Lys Arg Lys  
 35 40 45  
 Ala Glu Glu Asp Pro Glu Ala Ala Asp Ser Gly Glu Pro Gln Asn Lys  
 50 55 60  
 Arg Thr Pro Asp Leu Pro Glu Glu Glu Tyr Val Lys Glu Glu Ile Gln  
 65 70 75 80  
 Glu Asn Glu Glu Ala Val Lys Lys Met Leu Val Glu Ala Thr Arg Glu



85 90 95  
 Phe Glu Glu Val Val Asp Glu Ser Pro Pro Asp Phe Glu Ile His  
 100 105 110  
 Ile

<210> 234  
 <211> 148  
 <212> PRT  
 <213> Homo sapiens

<400> 234  
 Leu Pro Ser Tyr Asp Glu Ala Glu Arg Thr Lys Ala Glu Ala Thr Ile  
 1 5 10 15  
 Pro Leu Val Pro Gly Arg Asp Glu Asp Phe Val Gly Arg Asp Asp Phe  
 20 25 30  
 Asp Asp Ala Asp Gln Leu Arg Ile Gly Asn Asp Gly Ile Phe Met Leu  
 35 40 45  
 Thr Phe Phe Met Ala Phe Leu Phe Asn Trp Ile Gly Phe Phe Leu Ser  
 50 55 60  
 Phe Cys Leu Thr Thr Ser Ala Ala Gly Arg Tyr Gly Ala Ile Ser Gly  
 65 70 75 80  
 Phe Gly Leu Ser Leu Ile Lys Trp Ile Leu Ile Val Arg Phe Ser Thr  
 85 90 95  
 Tyr Phe Pro Gly Tyr Phe Asp Gly Gln Tyr Trp Leu Trp Trp Val Phe  
 100 105 110  
 Leu Val Leu Gly Phe Leu Leu Phe Leu Arg Gly Phe Ile Asn Tyr Ala  
 115 120 125  
 Lys Val Arg Lys Met Pro Glu Thr Phe Ser Asn Leu Pro Arg Thr Arg  
 130 135 140  
 Val Leu Phe Ile  
 145

<210> 235  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<400> 235  
 Ala Gly Arg Tyr Gly Ala Ile Ser Gly Phe Gly Leu Ser Leu Ile Lys  
 1 5 10 15  
 Trp Ile Leu Ile Val Arg Phe Ser  
 20

<210> 236  
 <211> 51  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 236

Met Lys His Leu Ser Ala Trp Asn Phe Thr Lys Leu Thr Phe Leu Gln  
 1 5 10 15  
 Leu Trp Glu Ile Phe Glu Gly Ser Val Glu Asn Cys Gln Thr Leu Thr  
 20 25 30  
 Ser Tyr Ser Lys Leu Gln Ile Lys Tyr Thr Phe Ser Arg Gly Ser Thr  
 35 40 45  
 Phe Tyr Ile  
 50

&lt;210&gt; 237

&lt;211&gt; 213

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 237

Phe Ser Ser Asp Phe Arg Thr Ser Pro Trp Glu Ser Arg Arg Val Glu  
 1 5 10 15  
 Ser Lys Ala Thr Ser Ala Arg Cys Gly Leu Trp Gly Ser Gly Pro Arg  
 20 25 30  
 Arg Arg Pro Ala Ser Gly Met Phe Arg Gly Leu Ser Ser Trp Leu Gly  
 35 40 45  
 Leu Gln Gln Pro Val Ala Gly Gly Gly Gln Pro Asn Gly Asp Ala Pro  
 50 55 60  
 Pro Glu Gln Pro Ser Glu Thr Val Ala Glu Ser Ala Glu Glu Glu Leu  
 65 70 75 80  
 Gln Gln Ala Gly Asp Gln Glu Leu Leu His Gln Ala Lys Asp Phe Gly  
 85 90 95  
 Asn Tyr Leu Phe Asn Phe Ala Ser Ala Ala Thr Lys Lys Ile Thr Glu  
 100 105 110  
 Ser Val Ala Glu Thr Ala Gln Thr Ile Lys Lys Ser Val Glu Glu Gly  
 115 120 125  
 Lys Ile Asp Gly Ile Ile Asp Lys Thr Ile Ile Gly Asp Phe Gln Lys  
 130 135 140  
 Glu Gln Lys Lys Phe Val Glu Glu Gln His Thr Lys Lys Ser Glu Ala  
 145 150 155 160  
 Ala Val Pro Pro Trp Val Asp Thr Asn Asp Glu Glu Thr Ile Gln Gln  
 165 170 175  
 Gln Ile Leu Ala Leu Ser Ala Asp Lys Arg Asn Phe Leu Arg Asp Pro  
 180 185 190  
 Pro Ala Gly Val Gln Phe Asn Phe Asp Phe Asp Gln Met Tyr Pro Val  
 195 200 205  
 Ala Leu Val Met Leu  
 210

&lt;210&gt; 238

<211> 49  
 <212> PRT  
 <213> Homo sapiens

<400> 238  
 Met Arg Phe Ala Leu Val Pro Lys Leu Val Lys Glu Glu Val Phe Trp  
   1                  5                  10                  15  
 Arg Asn Tyr Phe Tyr Arg Val Ser Leu Ile Lys Gln Ser Ala Gln Leu  
                   20                  25                  30  
 Thr Ala Leu Ala Ala Gln Gln Gln Ala Ala Gly Lys Gly Gly Glu Glu  
           35                  40                  45  
 Gln

<210> 239  
 <211> 76  
 <212> PRT  
 <213> Homo sapiens

<400> 239  
 Ser Thr Ser Pro Gly Val Ser Glu Phe Val Ser Asp Ala Phe Asp Ala  
   1                  5                  10                  15  
 Cys Asn Leu Asn Gln Glu Asp Leu Arg Lys Glu Met Glu Gln Leu Val  
                   20                  25                  30  
 Leu Asp Lys Lys Gln Glu Glu Thr Ala Val Leu Glu Glu Asp Ser Ala  
           35                  40                  45  
 Asp Trp Glu Lys Glu Leu Gln Gln Glu Leu Gln Glu Tyr Glu Val Val  
   50                  55                  60  
 Thr Glu Ser Glu Lys Arg Asp Glu Asn Trp Asp Lys  
   65                  70                  75

<210> 240  
 <211> 62  
 <212> PRT  
 <213> Homo sapiens

<400> 240  
 Ser Pro Trp Glu Ser Arg Arg Val Glu Ser Lys Ala Thr Ser Ala Arg  
   1                  5                  10                  15  
 Cys Gly Leu Trp Gly Ser Gly Pro Arg Arg Arg Pro Ala Ser Gly Met  
                   20                  25                  30  
 Phe Arg Gly Leu Ser Ser Trp Leu Gly Leu Gln Gln Pro Val Ala Gly  
           35                  40                  45  
 Gly Gly Gln Pro Asn Gly Asp Ala Pro Pro Glu Gln Pro Ser  
   50                  55                  60

<210> 241  
 <211> 65  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 241

Pro Val Ala Gly Gly Gly Gln Pro Asn Gly Asp Ala Pro Pro Glu Gln  
 1 5 10 15

Pro Ser Glu Thr Val Ala Glu Ser Ala Glu Glu Glu Leu Gln Gln Ala  
 20 25 30

Gly Asp Gln Glu Leu Leu His Gln Ala Lys Asp Phe Gly Asn Tyr Leu  
 35 40 45

Phe Asn Phe Ala Ser Ala Ala Thr Lys Lys Ile Thr Glu Ser Val Ala  
 50 55 60

Glu  
 65

&lt;210&gt; 242

&lt;211&gt; 72

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 242

Phe Gln Lys Glu Gln Lys Lys Phe Val Glu Glu Gln His Thr Lys Lys  
 1 5 10 15

Ser Glu Ala Ala Val Pro Pro Trp Val Asp Thr Asn Asp Glu Glu Thr  
 20 25 30

Ile Gln Gln Gln Ile Leu Ala Leu Ser Ala Asp Lys Arg Asn Phe Leu  
 35 40 45

Arg Asp Pro Pro Ala Gly Val Gln Phe Asn Phe Asp Phe Asp Gln Met  
 50 55 60

Tyr Pro Val Ala Leu Val Met Leu  
 65 70

&lt;210&gt; 243

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 243

Pro Phe Ile Cys Val Ala Arg Asn Pro Val Ser Arg Asn Phe Ser Ser  
 1 5 10 15

Pro Ile Leu Ala Arg Lys Leu Cys Glu Gly Ala Ala  
 20 25

&lt;210&gt; 244

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 244

Lys Glu Asp Pro Ala Asn Thr Val Tyr Ser Thr Val Glu Ile Pro Lys  
 1 5 10 15

Lys Met Glu Asn Pro His Ser Leu Leu Thr Met Pro Asp Thr Pro Arg  
                   20                  25                  30

Leu

<210> 245  
 <211> 227  
 <212> PRT  
 <213> Homo sapiens

<400> 245  
 Ala Ser Ala Val Leu Leu Asp Leu Pro Asn Ser Gly Gly Glu Ala Gln  
   1                  5                  10                  15  
 Ala Lys Lys Leu Gly Asn Asn Cys Val Phe Ala Pro Ala Asp Val Thr  
           20                  25                  30  
 Ser Glu Lys Asp Val Gln Thr Ala Leu Ala Leu Ala Lys Gly Lys Phe  
           35                  40                  45  
 Gly Arg Val Asp Val Ala Val Asn Cys Ala Gly Ile Ala Val Ala Ser  
   50                  55                  60  
 Lys Thr Tyr Asn Leu Lys Lys Gly Gln Thr His Thr Leu Glu Asp Phe  
   65                  70                  75                  80  
 Gln Arg Val Leu Asp Val Asn Leu Met Gly Thr Phe Asn Val Ile Arg  
           85                  90                  95  
 Leu Val Ala Gly Glu Met Gly Gln Asn Glu Pro Asp Gln Gly Gly Gln  
           100                  105                  110  
 Arg Gly Val Ile Ile Asn Thr Ala Ser Val Ala Ala Phe Glu Gly Gln  
   115                  120                  125  
 Val Gly Gln Ala Ala Tyr Ser Ala Ser Lys Gly Gly Ile Val Gly Met  
   130                  135                  140  
 Thr Leu Pro Ile Ala Arg Asp Leu Ala Pro Ile Gly Ile Arg Val Met  
   145                  150                  155                  160  
 Thr Ile Ala Pro Gly Leu Phe Gly Thr Pro Leu Leu Thr Ser Leu Pro  
           165                  170                  175  
 Glu Lys Val Cys Asn Phe Leu Ala Ser Gln Val Pro Phe Pro Ser Arg  
           180                  185                  190  
 Leu Gly Asp Pro Ala Glu Tyr Ala His Leu Val Gln Ala Ile Ile Glu  
   195                  200                  205  
 Asn Pro Phe Leu Asn Gly Glu Val Ile Arg Leu Asp Gly Ala Ile Arg  
   210                  215                  220  
 Met Gln Pro  
 225

<210> 246  
 <211> 29  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 246

Ser Val Ala Ala Phe Glu Gly Gln Val Gly Gln Ala Ala Tyr Ser Ala  
 1 5 10 15

Ser Lys Gly Gly Ile Val Gly Met Thr Leu Pro Ile Ala  
 20 25

&lt;210&gt; 247

&lt;211&gt; 29

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 247

Ser Val Ala Ala Phe Glu Gly Gln Val Gly Gln Ala Ala Tyr Ser Ala  
 1 5 10 15

Ser Lys Gly Gly Ile Val Gly Met Thr Leu Pro Ile Ala  
 20 25

&lt;210&gt; 248

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 248

His Pro Ile Glu Trp Ala Ile Asn Ala Ala Thr Leu Ser Gln Phe Tyr  
 1 5 10 15

Ile Asn Lys Leu Cys Phe  
 20

&lt;210&gt; 249

&lt;211&gt; 22

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 249

Cys Trp Ile Lys Tyr Cys Leu Thr Leu Met Gln Asn Ala Gln Leu Ser  
 1 5 10 15

Met Gln Asp Asn Ile Gly  
 20

&lt;210&gt; 250

&lt;211&gt; 25

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 250

Lys Val Ser Tyr Leu Arg Pro Leu Asp Phe Glu Glu Ala Arg Glu Leu  
 1 5 10 15

Phe Leu Leu Gly Gln His Tyr Val Phe  
 20 25

&lt;210&gt; 251

&lt;211&gt; 25

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<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE

<222> (11)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 251

Met Glu Arg Arg Cys Lys Met His Lys Arg Xaa Ile Ala Met Leu Glu  
1 5 10 15

Pro Leu Thr Val Asp Leu Asn Pro Gln  
20 25

<210> 252

<211> 23

<212> PRT

<213> Homo sapiens

<400> 252

Ser His Ile Val Lys Lys Ile Asn Asn Leu Asn Lys Ser Ala Leu Lys  
1 5 10 15

Tyr Tyr Gln Leu Phe Leu Asp  
20

<210> 253

<211> 64

<212> PRT

<213> Homo sapiens

<400> 253

Phe Thr His Leu Ser Thr Cys Leu Leu Ser Leu Leu Leu Val Arg Met  
1 5 10 15

Ser Gly Phe Leu Leu Leu Ala Arg Ala Ser Pro Ser Ile Cys Ala Leu  
20 25 30

Asp Ser Ser Cys Phe Val Gln Glu Tyr Cys Ser Ser Tyr Ser Ser Ser  
35 40 45

Cys Phe Leu His Gln His Phe Pro Ser Leu Leu Asp His Leu Cys Gln  
50 55 60

<210> 254

<211> 23

<212> PRT

<213> Homo sapiens

<400> 254

Phe Leu Leu Leu Ala Arg Ala Ser Pro Ser Ile Cys Ala Leu Asp Ser  
1 5 10 15

Ser Cys Phe Val Gln Glu Tyr

20

<210> 255  
 <211> 53  
 <212> PRT  
 <213> Homo sapiens

<400> 255  
 Pro Asp Gly Arg Val Thr Asn Ile Pro Gln Gly Met Val Thr Asp Gln  
 1 5 10 15  
 Phe Gly Met Ile Gly Leu Leu Thr Phe Ile Arg Ala Ala Glu Thr Asp  
 20 25 30  
 Pro Gly Met Val His Leu Ala Leu Gly Ser Asp Leu Thr Thr Leu Gly  
 35 40 45  
 Leu Asn Leu Asn Ser  
 50

<210> 256  
 <211> 41  
 <212> PRT  
 <213> Homo sapiens

<400> 256  
 Glu Asp Leu Leu Phe Tyr Leu Tyr Tyr Met Asn Gly Gly Asp Val Leu  
 1 5 10 15  
 Gln Leu Leu Ala Ala Val Glu Leu Phe Asn Arg Asp Trp Arg Tyr His  
 20 25 30  
 Lys Glu Glu Arg Val Trp Ile Thr Arg  
 35 40

<210> 257  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<400> 257  
 Val His Leu Ala Leu Gly Ser Asp Leu Thr Thr Leu Gly Leu Asn Leu  
 1 5 10 15  
 Asn Ser Pro Glu Asn Leu Tyr Pro  
 20

<210> 258  
 <211> 41  
 <212> PRT  
 <213> Homo sapiens

<400> 258  
 Glu Asp Leu Leu Phe Tyr Leu Tyr Tyr Met Asn Gly Gly Asp Val Leu  
 1 5 10 15  
 Gln Leu Leu Ala Ala Val Glu Leu Phe Asn Arg Asp Trp Arg Tyr His  
 20 25 30



Lys Glu Glu Arg Val Trp Ile Thr Arg  
           35                  40

<210> 259  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 259  
 His Asn Glu Asp Phe Pro Ala Leu Pro Gly Ser  
       1                  5                  10

<210> 260  
 <211> 75  
 <212> PRT  
 <213> Homo sapiens

<400> 260  
 Gly Arg Ile Ile Asp Thr Ser Leu Thr Arg Asp Pro Leu Val Ile Glu  
       1                  5                  10                  15  
 Leu Gly Gln Lys Gln Val Ile Pro Gly Leu Glu Gln Ser Leu Leu Asp  
                   20                  25                  30  
 Met Cys Val Gly Glu Lys Arg Arg Ala Ile Ile Pro Ser His Leu Ala  
           35                  40                  45  
 Tyr Gly Lys Arg Gly Phe Pro Pro Ser Val Pro Ala Asp Ala Val Val  
       50                  55                  60  
 Gln Tyr Asp Val Glu Leu Ile Ala Leu Ile Arg  
       65                  70                  75

<210> 261  
 <211> 16  
 <212> PRT  
 <213> Homo sapiens

<400> 261  
 Ile His Tyr Thr Gly Ser Leu Val Asp Gly Arg Ile Ile Asp Thr Ser  
       1                  5                  10                  15

<210> 262  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 262  
 Cys Glu Ser Pro Glu Ser Pro Ala Gln Pro Ser Gly Ser Ser Leu Pro  
       1                  5                  10                  15

Ala Trp Tyr His  
           20

<210> 263  
 <211> 95  
 <212> PRT  
 <213> Homo sapiens

<400> 263  
 Glu Glu Ala Gly Ala Gly Arg Arg Cys Ser His Gly Gly Ala Arg Pro  
 1 5 10 15  
 Ala Gly Leu Gly Asn Glu Gly Leu Gly Leu Gly Gly Asp Pro Asp His  
 20 25 30  
 Thr Asp Thr Gly Ser Arg Ser Lys Gln Arg Ile Asn Asn Trp Lys Glu  
 35 40 45  
 Ser Lys His Lys Val Ile Met Ala Ser Ala Ser Ala Arg Gly Asn Gln  
 50 55 60  
 Asp Lys Asp Ala His Phe Pro Pro Pro Ser Lys Gln Ser Leu Leu Phe  
 65 70 75 80  
 Cys Pro Lys Ser Lys Leu His Ile His Arg Ala Glu Ile Ser Lys  
 85 90 95

<210> 264  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<400> 264  
 Ser Lys Gln Arg Ile Asn Asn Trp Lys Glu Ser Lys His Lys Val Ile  
 1 5 10 15  
 Met Ala Ser Ala Ser Ala Arg  
 20

<210> 265  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (20)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<400> 265  
 Leu Phe His Trp Ala Cys Leu Asn Glu Arg Ala Ala Gln Leu Pro Arg  
 1 5 10 15  
 Asn Thr Ala Xaa Ala Gly Tyr Gln Cys Pro Ser Cys Asn Gly Pro Ser  
 20 25 30

<210> 266  
 <211> 185

<212> PRT  
 <213> Homo sapiens

<400> 266

Phe Tyr Ile Tyr Tyr Arg Pro Thr Asp Ser Asp Asn Asp Ser Asp Tyr  
 1 5 10 15  
 Lys Lys Asp Met Val Glu Gly Asp Lys Tyr Trp His Ser Ile Ser His  
 20 25 30  
 Leu Gln Pro Glu Thr Ser Tyr Asp Ile Lys Met Gln Cys Phe Asn Glu  
 35 40 45  
 Gly Gly Glu Ser Glu Phe Ser Asn Val Met Ile Cys Glu Thr Lys Ala  
 50 55 60  
 Arg Lys Ser Ser Gly Gln Pro Gly Arg Leu Pro Pro Pro Thr Leu Ala  
 65 70 75 80  
 Pro Pro Gln Pro Pro Leu Pro Glu Thr Ile Glu Arg Pro Val Gly Thr  
 85 90 95  
 Gly Ala Met Val Ala Arg Ser Ser Asp Leu Pro Tyr Leu Ile Val Gly  
 100 105 110  
 Val Val Leu Gly Ser Ile Val Leu Ile Ile Val Thr Phe Ile Pro Phe  
 115 120 125  
 Cys Leu Trp Arg Ala Trp Ser Lys Gln Lys His Thr Thr Asp Leu Gly  
 130 135 140  
 Phe Pro Arg Ser Ala Leu Pro Pro Ser Cys Pro Tyr Thr Met Val Pro  
 145 150 155 160  
 Leu Gly Gly Leu Pro Gly His Gln Ala Val Asp Ser Pro Thr Ser Val  
 165 170 175  
 Ala Ser Val Asp Gly Pro Val Leu Met  
 180 185

<210> 267  
 <211> 66  
 <212> PRT  
 <213> Homo sapiens

<400> 267

Tyr Ile Tyr Tyr Arg Pro Thr Asp Ser Asp Asn Asp Ser Asp Tyr Lys  
 1 5 10 15  
 Lys Asp Met Val Glu Gly Asp Lys Tyr Trp His Ser Ile Ser His Leu  
 20 25 30  
 Gln Pro Glu Thr Ser Tyr Asp Ile Lys Met Gln Cys Phe Asn Glu Gly  
 35 40 45  
 Gly Glu Ser Glu Phe Ser Asn Val Met Ile Cys Glu Thr Lys Ala Arg  
 50 55 60  
 Lys Ser  
 65

<210> 268

<211> 30  
 <212> PRT  
 <213> Homo sapiens

<400> 268  
 Asn Val Arg Ala Leu Leu His Arg Met Pro Glu Pro Pro Lys Ile Asn  
   1                  5                  10                  15  
 Thr Ala Lys Phe Asn Asn Asn Lys Arg Lys Asn Leu Ser Leu  
                   20                  25                  30

<210> 269  
 <211> 185  
 <212> PRT  
 <213> Homo sapiens

<400> 269  
 Asn Thr Asn Gln Arg Glu Ala Leu Gln Tyr Ala Lys Asn Phe Gln Pro  
   1                  5                  10                  15  
 Phe Ala Leu Asn His Gln Lys Asp Ile Gln Val Leu Met Gly Ser Leu  
                   20                  25                  30  
 Val Tyr Leu Arg Gln Gly Ile Glu Asn Ser Pro Tyr Val His Leu Leu  
                   35                  40                  45  
 Asp Ala Asn Gln Trp Ala Asp Ile Cys Asp Ile Phe Thr Arg Asp Ala  
   50                  55                  60  
 Cys Ala Leu Leu Gly Leu Ser Val Glu Ser Pro Leu Ser Val Ser Phe  
   65                  70                  75                  80  
 Ser Ala Gly Cys Val Ala Leu Pro Ala Leu Ile Asn Ile Lys Ala Val  
                   85                  90                  95  
 Ile Glu Gln Arg Gln Cys Thr Gly Val Trp Asn Gln Lys Asp Glu Leu  
                   100                  105                  110  
 Pro Ile Glu Val Asp Leu Gly Lys Lys Cys Trp Tyr His Ser Ile Phe  
                   115                  120                  125  
 Ala Cys Pro Ile Leu Arg Gln Gln Thr Thr Asp Asn Asn Pro Pro Met  
   130                  135                  140  
 Lys Leu Val Cys Gly His Ile Ile Ser Arg Asp Ala Leu Asn Lys Met  
   145                  150                  155                  160  
 Phe Asn Gly Ser Lys Leu Lys Cys Pro Tyr Cys Pro Met Glu Gln Ser  
                   165                  170                  175  
 Pro Gly Asp Ala Lys Gln Ile Phe Phe  
                   180                  185

<210> 270  
 <211> 65  
 <212> PRT  
 <213> Homo sapiens

<400> 270  
 Ser Tyr Leu Ser Ala Cys Phe Ala Gly Cys Asn Ser Thr Asn Leu Thr  
   1                  5                  10                  15

136

Gly Cys Ala Cys Leu Thr Thr Val Pro Ala Glu Asn Ala Thr Val Val  
                   20                  25                  30  
 Pro Gly Lys Cys Pro Ser Pro Gly Cys Gln Glu Ala Phe Leu Thr Phe  
                   35                  40                  45  
 Leu Cys Val Met Cys Ile Cys Ser Leu Ile Gly Ala Met Ala Arg His  
           50                  55                  60  
 Pro  
   65

<210> 271  
 <211> 84  
 <212> PRT  
 <213> Homo sapiens

<400> 271  
 Pro Ser Val Ile Ile Leu Ile Arg Thr Val Ser Pro Glu Leu Lys Ser  
   1                  5                  10                  15  
 Tyr Ala Leu Gly Val Leu Phe Leu Leu Leu Arg Leu Leu Gly Phe Ile  
                   20                  25                  30  
 Pro Pro Pro Leu Ile Phe Gly Ala Gly Ile Asp Ser Thr Cys Leu Phe  
                   35                  40                  45  
 Trp Ser Thr Phe Cys Gly Glu Gln Gly Ala Cys Val Leu Tyr Asp Asn  
   50                  55                  60  
 Val Val Tyr Arg Tyr Leu Tyr Val Ser Ile Ala Ile Ala Leu Lys Ser  
   65                  70                  75                  80  
 Phe Ala Phe Ile

<210> 272  
 <211> 182  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (29)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<220>  
 <221> MISC\_FEATURE  
 <222> (30)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<400> 272  
 Gln Ser Leu Phe Thr Arg Phe Val Arg Val Gly Val Pro Thr Val Asp  
   1                  5                  10                  15  
 Leu Asp Ala Gln Gly Arg Ala Arg Ala Ser Leu Cys Xaa Xaa Tyr Asn  
           20                  25                  30  
 Trp Arg Tyr Lys Asn Leu Gly Asn Leu Pro His Val Gln Leu Leu Pro



&lt;222&gt; (17)

&lt;223&gt; Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (43)

&lt;223&gt; Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

&lt;400&gt; 274

Asp	Thr	Tyr	Pro	Asn	Glu	Glu	Lys	Gln	Gln	Glu	Arg	Val	Phe	Pro	Xaa
1				5				10						15	

Xaa	Ser	Ala	Met	Val	Asn	Asn	Gly	Ser	Leu	Ser	Tyr	Asp	His	Glu	Arg
			20					25					30		

Asp	Gly	Arg	Pro	Thr	Glu	Leu	Gly	Gly	Cys	Xaa	Ala	Ile	Val	Arg	Asn
		35					40					45			

Leu	His	Tyr	Asp	Thr	Phe	Leu	Val	Ile	Arg	Tyr	Val	Lys	Arg	His	Leu
50						55					60				

Thr	Ile	Met	Met	Asp	Ile	Asp	Gly	Lys	His	Glu	Trp	Arg	Asp	Cys	Ile
65					70					75					80

Glu	Val	Pro	Gly	Val	Arg	Leu	Pro	Arg	Gly	Tyr	Tyr	Phe	Gly	Thr	Ser
				85					90					95	

Ser	Ile	Thr	Gly	Asp	Leu	Ser	Asp	Asn	His	Asp	Val	Ile	Ser	Leu	Lys
			100					105					110		

Leu	Phe	Glu	Leu	Thr	Val	Glu	Arg	Thr	Pro	Glu	Glu	Glu
		115					120					125

&lt;210&gt; 275

&lt;211&gt; 85

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 275

Leu	Lys	Arg	Glu	His	Ser	Leu	Ser	Lys	Pro	Tyr	Gln	Gly	Val	Gly	Thr
1				5					10					15	

Gly	Ser	Ser	Ser	Leu	Trp	Asn	Leu	Met	Gly	Asn	Ala	Met	Val	Met	Thr
			20					25					30		

Gln	Tyr	Ile	Arg	Leu	Thr	Pro	Asp	Met	Gln	Ser	Lys	Gln	Gly	Ala	Leu
		35					40					45			

Trp	Asn	Arg	Val	Pro	Cys	Phe	Leu	Arg	Asp	Trp	Glu	Leu	Gln	Val	His
50						55					60				

Phe	Lys	Ile	His	Gly	Gln	Gly	Lys	Lys	Asn	Leu	His	Gly	Asp	Gly	Leu
65					70					75					80

Ala	Ile	Trp	Tyr	Thr
				85

&lt;210&gt; 276

&lt;211&gt; 32

&lt;212&gt; PRT

<213> Homo sapiens

<400> 276

Pro Gly Thr Leu Gln Cys Ser Ala Leu His His Asp Pro Gly Cys Ala  
 1 5 10 15  
 Asn Cys Ser Arg Phe Cys Arg Asp Cys Ser Pro Pro Ala Cys Gln Cys  
 20 25 30

<210> 277

<211> 27

<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE

<222> (8)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 277

Phe Leu Tyr Asp Val Leu Met Xaa His Glu Ala Val Met Arg Thr His  
 1 5 10 15  
 Gln Ile Gln Leu Pro Asp Pro Glu Phe Pro Ser  
 20 25

<210> 278

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE

<222> (4)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 278

Pro Ala Asp Xaa Lys Pro Val Val Ser Thr Glu Ala Pro Pro Ile Ile  
 1 5 10 15  
 Phe Ala Thr Pro Thr Lys Leu Thr Ser Asp Ser Thr Val Tyr Asp Tyr  
 20 25 30  
 Ala Gly Lys Asn Lys Val Pro Glu Leu Gln Lys Phe Phe Gln Lys Ala  
 35 40 45  
 Asp Gly Val Pro Val Tyr Leu Lys Arg Gly Leu Pro Asp Gln Met Leu  
 50 55 60  
 Tyr Arg Thr Thr Met Ala Leu Thr Val Gly Gly Thr Ile Tyr Cys Leu  
 65 70 75 80  
 Ile Ala Leu Tyr Met Ala Ser Gln Pro Lys Asn Lys  
 85 90



<210> 279  
 <211> 63  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (45)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 279  
 Ser Phe Ser Gly Ala Val Ala Leu Ala Ala Asp Ala Gly Ser Arg Thr  
 1 5 10 15  
 Leu Gly Val Met Tyr Tyr Lys Phe Ser Gly Phe Thr Gln Lys Leu Ala  
 20 25 30  
 Gly Ala Trp Ala Ser Glu Ala Tyr Ser Pro Gln Ile Xaa Ser Leu Trp  
 35 40 45  
 Phe Pro Gln Lys His His Leu Ser Tyr Leu Pro His Gln Leu Asn  
 50 55 60

<210> 280  
 <211> 6  
 <212> PRT  
 <213> Homo sapiens

<400> 280  
 Gly Trp Tyr Trp Cys Gly  
 1 5

<210> 281  
 <211> 129  
 <212> PRT  
 <213> Homo sapiens

<400> 281  
 Met Lys Val Gly Ala Arg Ile Arg Val Lys Met Ser Val Asn Lys Ala  
 1 5 10 15  
 His Pro Val Val Ser Thr His Trp Arg Trp Pro Ala Glu Trp Pro Gln  
 20 25 30  
 Met Phe Leu His Leu Ala Gln Glu Pro Arg Thr Glu Val Lys Ser Arg  
 35 40 45  
 Pro Leu Gly Leu Ala Gly Phe Ile Arg Gln Asp Ser Lys Thr Arg Lys  
 50 55 60  
 Pro Leu Glu Gln Glu Thr Ile Met Ser Ala Ala Asp Thr Ala Leu Trp  
 65 70 75 80  
 Pro Tyr Gly His Gly Asn Arg Glu His Gln Glu Asn Glu Leu Gln Lys  
 85 90 95  
 Tyr Leu Gln Tyr Lys Asp Met His Leu Leu Asp Ser Gly Gln Ser Leu  
 100 105 110  
 Gly His Thr His Thr Leu Gln Gly Ser His Asn Leu Thr Ala Leu Asn



<210> 286  
 <211> 24  
 <212> PRT  
 <213> Homo sapiens

<400> 286  
 Thr Glu Phe Thr Leu Arg Asn Phe Asn Ser Ala Lys Asp Met Lys Lys  
           1                  5                  10                  15

Ala Val Ala His Met Lys Tyr Met  
                   20

<210> 287  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 287  
 Gly Lys Gly Ser Met Thr Gly Leu Ala Leu Lys His Met Phe Glu Arg  
           1                  5                  10                  15

Ser Phe Thr Gln Gly Glu Gly Ala Arg Pro Phe  
                   20                  25

<210> 288  
 <211> 44  
 <212> PRT  
 <213> Homo sapiens

<400> 288  
 Ser Thr Arg Val Pro Arg Ala Ala Ile Val Phe Thr Asp Gly Arg Ala  
           1                  5                  10                  15

Gln Asp Asp Val Ser Glu Trp Ala Ser Lys Ala Lys Ala Asn Gly Ile  
                   20                  25                  30

Thr Met Tyr Ala Val Gly Val Gly Lys Ala Ile Glu  
           35                  40

<210> 289  
 <211> 42  
 <212> PRT  
 <213> Homo sapiens

<400> 289  
 Glu Glu Leu Gln Glu Ile Ala Ser Glu Pro Thr Asn Lys His Leu Phe  
           1                  5                  10                  15

Tyr Ala Glu Asp Phe Ser Thr Met Asp Glu Ile Ser Glu Lys Leu Lys  
           20                  25                  30

Lys Gly Ile Cys Glu Ala Leu Glu Asp Ser  
           35                  40

<210> 290  
 <211> 11

<212> PRT  
 <213> Homo sapiens

<400> 290  
 Thr Gln Arg Leu Glu Glu Met Thr Gln Arg Met  
   1                  5                  10

<210> 291  
 <211> 10  
 <212> PRT  
 <213> Homo sapiens

<400> 291  
 Pro Gln Gly Cys Pro Glu Gln Pro Leu His  
   1                  5                  10

<210> 292  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<400> 292  
 Arg Cys Lys Lys Cys Thr Glu Gly Pro Ile Asp Leu Val Phe Val Ile  
   1                  5                  10                  15

Asp Gly Ser Lys Ser Leu Gly Glu Glu Asn Phe Glu Val Val Lys Gln  
                   20                  25                  30

Phe

<210> 293  
 <211> 193  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (35)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<400> 293  
 Gly Trp Glu Thr Leu Pro Lys Lys Asp Val Cys Lys Ser Thr His His  
   1                  5                  10                  15

Gly Cys Glu His Ile Cys Val Asn Asn Gly Asn Ser Tyr Ile Cys Lys  
                   20                  25                  30

Cys Ser Xaa Gly Phe Val Leu Ala Glu Asp Gly Arg Arg Cys Lys Lys  
                   35                  40                  45

Cys Thr Glu Gly Pro Ile Asp Leu Val Phe Val Ile Asp Gly Ser Lys  
                   50                  55                  60

Ser Leu Gly Glu Glu Asn Phe Glu Val Val Lys Gln Phe Val Thr Gly  
   65                  70                  75                  80

Ile Ile Asp Ser Leu Thr Ile Ser Pro Lys Ala Ala Arg Val Gly Leu

					85					90					95	
Leu	Gln	Tyr	Ser 100	Thr	Gln	Val	His	Thr 105	Glu	Phe	Thr	Leu	Arg 110	Asn	Phe	
Asn	Ser	Ala 115	Lys	Asp	Met	Lys	Lys 120	Ala	Val	Ala	His	Met 125	Lys	Tyr	Met	
Gly	Lys 130	Gly	Ser	Met	Thr	Gly 135	Leu	Ala	Leu	Lys	His 140	Met	Phe	Glu	Arg	
Ser 145	Phe	Thr	Gln	Gly	Glu 150	Gly	Ala	Arg	Pro	Phe 155	Pro	Gln	Gly	Cys	Pro 160	
Glu	Gln	Pro	Leu	Cys 165	Ser	Pro	Thr	Asp	Gly 170	Leu	Arg	Met	Thr	Ser 175	Pro	
Ser	Gly	Pro	Val 180	Lys	Pro	Arg	Pro	Met 185	Val	Ser	Leu	Cys	Met 190	Leu	Leu	
Gly																
<210>	294															
<211>	193															
<212>	PRT															
<213>	Homo sapiens															
<400>	294															
Lys 1	Phe	Tyr	Pro	Arg 5	Arg	Arg	Gly	Gln	Ala 10	Leu	Ser	Thr	Arg	Val 15	Pro	
Arg	Ala	Ala	Ile 20	Val	Phe	Thr	Asp	Gly 25	Arg	Ala	Gln	Asp	Asp 30	Val	Ser	
Glu	Trp	Ala 35	Ser	Lys	Ala	Lys	Ala 40	Asn	Gly	Ile	Thr	Met 45	Tyr	Ala	Val	
Gly	Val 50	Gly	Lys	Ala	Ile	Glu 55	Glu	Glu	Leu	Gln	Glu 60	Ile	Ala	Ser	Glu	
Pro 65	Thr	Asn	Lys	His	Leu 70	Phe	Tyr	Ala	Glu	Asp 75	Phe	Ser	Thr	Met	Asp 80	
Glu	Ile	Ser	Glu	Lys 85	Leu	Lys	Lys	Gly	Ile 90	Cys	Glu	Ala	Leu	Glu 95	Asp	
Ser	Asp	Gly	Arg 100	Gln	Asp	Ser	Pro	Ala 105	Gly	Glu	Leu	Pro	Lys 110	Thr	Val	
Gln	Gln	Pro 115	Thr	Val	Gln	His	Arg 120	Tyr	Leu	Phe	Glu	Glu 125	Asp	Asn	Leu	
Leu	Arg 130	Ser	Thr	Gln	Lys	Leu 135	Ser	His	Ser	Thr	Lys 140	Pro	Ser	Gly	Ser	.
Pro 145	Leu	Glu	Glu	Lys	His 150	Asp	Gln	Cys	Lys	Cys 155	Glu	Asn	Leu	Ile	Met 160	
Phe	Gln	Asn	Leu	Ala 165	Asn	Glu	Glu	Val	Arg 170	Lys	Leu	Thr	Gln	Arg 175	Leu	
Glu	Glu	Met	Thr 180	Gln	Arg	Met	Glu	Ala 185	Leu	Glu	Asn	Arg	Leu	Arg	Tyr	

Arg

<210> 295  
 <211> 60  
 <212> PRT  
 <213> Homo sapiens

<400> 295  
 Met Ala Ala Leu Leu Leu Arg His Val Gly Arg His Cys Leu Arg Ala  
           1                  5                  10                  15  
 His Phe Ser Pro Gln Leu Cys Ile Arg Asn Ala Val Pro Leu Gly Thr  
                   20                  25                  30  
 Thr Ala Lys Glu Glu Met Glu Arg Phe Trp Asn Lys Asn Ile Gly Ser  
                   35                  40                  45  
 Asn Arg Pro Leu Ser Pro His Ile Thr Ile Tyr Ser  
           50                  55                  60

<210> 296  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<400> 296  
 Val Phe Pro Leu Met Tyr His Thr Trp Asn Gly Ile Arg His Leu Met  
           1                  5                  10                  15  
 Trp Asp Leu Gly Lys Gly Leu Lys Ile Pro Gln Leu Tyr Gln Ser Gly  
                   20                  25                  30

<210> 297  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 297  
 Met Ala Ala Leu Leu Leu Arg His Val Gly Arg His Cys Leu Arg Ala  
           1                  5                  10                  15  
 His

<210> 298  
 <211> 18  
 <212> PRT  
 <213> Homo sapiens

<400> 298  
 Val Lys Ser Leu Cys Leu Gly Pro Ala Leu Ile His Thr Ala Lys Phe  
           1                  5                  10                  15

Ala Leu

<210> 299  
 <211> 23  
 <212> PRT  
 <213> Homo sapiens

<400> 299  
 Val Phe Pro Leu Met Tyr His Thr Trp Asn Gly Ile Arg His Leu Met  
 1 5 10 15  
 Trp Asp Leu Gly Lys Gly Leu  
 20

<210> 300  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<400> 300  
 Arg Val Trp Asp Val Arg Pro Phe Ala Pro Lys Glu Arg Cys Val Lys  
 1 5 10 15  
 Ile Phe Gln Gly Asn Val  
 20

<210> 301  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<400> 301  
 His Asn Phe Glu Lys Asn Leu Leu Arg Cys Ser Trp Ser Pro Asp Gly  
 1 5 10 15  
 Ser Lys Ile Ala Ala Gly Ser Ala Asp Arg Phe Val Tyr Val  
 20 25 30

<210> 302  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<400> 302  
 Trp Asp Thr Thr Ser Arg Arg Ile Leu Tyr Lys Leu Pro Gly His Ala  
 1 5 10 15  
 Gly Ser Ile Asn Glu Val Ala Phe His Pro Asp Glu Pro Ile  
 20 25 30

<210> 303  
 <211> 141  
 <212> PRT  
 <213> Homo sapiens

&lt;400&gt; 303

Tyr Gln Gly Leu Gly Leu Arg Gln Asn Lys Leu Thr Tyr Thr Met Arg  
 1 5 10 15

Gly His Ala Asp Ser Val Thr Gly Leu Ser Leu Ser Ser Glu Gly Ser  
 20 25 30

Tyr Leu Leu Ser Asn Ala Met Asp Asn Thr Val Arg Val Trp Asp Val  
 35 40 45

Arg Pro Phe Ala Pro Lys Glu Arg Cys Val Lys Ile Phe Gln Gly Asn  
 50 55 60

Val His Asn Phe Glu Lys Asn Leu Leu Arg Cys Ser Trp Ser Pro Asp  
 65 70 75 80

Gly Ser Lys Ile Ala Ala Gly Ser Ala Asp Arg Phe Val Tyr Val Trp  
 85 90 95

Asp Thr Thr Ser Arg Arg Ile Leu Tyr Lys Leu Pro Gly His Ala Gly  
 100 105 110

Ser Ile Asn Glu Val Ala Phe His Pro Asp Glu Pro Ile Ile Ile Ser  
 115 120 125

Ala Ser Ser Asp Lys Arg Leu Tyr Met Gly Glu Ile Gln  
 130 135 140

&lt;210&gt; 304

&lt;211&gt; 45

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 304

Arg Lys Lys Ala Ala Ile Gln Thr Phe Gln Asn Thr Tyr Gln Val Leu  
 1 5 10 15

Ala Val Thr Phe Asn Asp Thr Ser Asp Gln Ile Ile Ser Gly Gly Ile  
 20 25 30

Asp Asn Asp Ile Lys Val Trp Asp Cys Ala Arg Thr Ser  
 35 40 45

&lt;210&gt; 305

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 305

Val Arg Gly Arg Thr Val Leu Arg Pro Gly Leu Asp Ala Glu Pro Glu  
 1 5 10 15

Leu Ser Pro Glu  
 20

&lt;210&gt; 306

&lt;211&gt; 19

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens





Leu Trp Asp Leu Lys Phe Leu Met Arg Asn  
           35                  40

<210> 311  
 <211> 55  
 <212> PRT  
 <213> Homo sapiens

<400> 311  
 Ser Arg Ser Glu Gly Lys Ser Met Phe Ala Gly Val Pro Thr Met Arg  
   1                  5                  10                  15  
 Glu Ser Ser Pro Lys Gln Tyr Met Gln Leu Gly Gly Arg Val Leu Leu  
           20                  25                  30  
 Val Leu Met Phe Met Thr Leu Leu His Phe Asp Ala Ser Phe Phe Ser  
           35                  40                  45  
 Ile Val Gln Asn Ile Val Gly  
       50                  55

<210> 312  
 <211> 60  
 <212> PRT  
 <213> Homo sapiens

<400> 312  
 Gly Thr Ala Glu Asp Phe Ala Asp Gln Phe Leu Arg Val Thr Lys Gln  
   1                  5                  10                  15  
 Tyr Leu Pro His Val Ala Arg Leu Cys Leu Ile Ser Thr Phe Leu Glu  
           20                  25                  30  
 Asp Gly Ile Arg Met Trp Phe Gln Trp Ser Glu Gln Arg Asp Tyr Ile  
           35                  40                  45  
 Asp Thr Thr Trp Asn Cys Gly Tyr Leu Leu Ala Ser  
       50                  55                  60

<210> 313  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 313  
 Ala Ser Phe Leu Leu Ser Arg Thr Ser Trp Gly Thr Ala Leu Met Ile  
   1                  5                  10                  15  
 Leu

<210> 314  
 <211> 8  
 <212> PRT  
 <213> Homo sapiens

<400> 314  
 Leu Met Arg Asn Glu Ser Arg Ser

1 5

<210> 315  
 <211> 13  
 <212> PRT  
 <213> Homo sapiens

<400> 315  
 Ala Ser Phe Leu Leu Ser Arg Thr Ser Trp Gly Thr Ala  
 1 5 10

<210> 316  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 316  
 Ala Ser Phe Leu Leu Ser Arg Thr Ser Trp Gly Thr Ala Leu Met Ile  
 1 5 10 15

Leu

<210> 317  
 <211> 72  
 <212> PRT  
 <213> Homo sapiens

<400> 317  
 Pro Ser Phe Thr Leu Thr Pro Ala Ser Phe Leu Leu Ser Arg Thr Ser  
 1 5 10 15

Trp Gly Thr Ala Leu Met Ile Leu Val Ala Ile Gly Phe Lys Thr Lys  
 20 25 30

Leu Ala Ala Leu Thr Leu Val Val Trp Leu Phe Ala Ile Asn Val Tyr  
 35 40 45

Phe Asn Ala Phe Trp Thr Ile Pro Val Tyr Lys Pro Met His Asp Phe  
 50 55 60

Leu Lys Tyr Asp Phe Phe Gln Thr  
 65 70

<210> 318  
 <211> 236  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (115)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<400> 318  
 Arg Thr Glu Pro Pro Pro Gly Thr Ser Cys Gly Gly Arg Ser Gly Cys  
 1 5 10 15

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Gly Arg Arg Arg Ala Arg Ala Ser Glu Arg Ala Ser Glu Pro Ser Arg  
                   20                  25                  30  
 Ala Ser Arg Arg Arg His Gly Pro Glu Arg Pro Asp Gly His Gly Arg  
                   35                  40                  45  
 Gly Leu Arg Arg Pro Val Pro Pro Cys His Lys Ala Val Pro Ala Pro  
           50                  55                  60  
 Arg Gly Ala Pro Leu Ser Asp Gln His Leu Pro Gly Gly Arg His Pro  
       65                  70                  75                  80  
 Tyr Val Val Pro Val Glu Arg Ala Ala Arg Leu His Arg His His Leu  
                   85                  90                  95  
 Glu Leu Arg Leu Pro Ala Gly Leu Val Leu Arg Leu Pro Gln Leu Ala  
                   100                  105                  110  
 Gly Thr Xaa Thr Gly Cys Val Leu Val Leu Ser Arg Asn Phe Val Gln  
           115                  120                  125  
 Tyr Ala Cys Phe Gly Leu Phe Gly Ile Ile Ala Leu Gln Thr Ile Ala  
       130                  135                  140  
 Tyr Ser Ile Leu Trp Asp Leu Lys Phe Leu Met Arg Asn Leu Ala Leu  
       145                  150                  155                  160  
 Gly Gly Gly Leu Leu Leu Leu Leu Ala Glu Ser Arg Ser Glu Gly Lys  
                   165                  170                  175  
 Ser Met Phe Ala Gly Val Pro Thr Met Arg Glu Ser Ser Pro Lys Gln  
           180                  185                  190  
 Tyr Met Gln Leu Gly Gly Arg Val Leu Leu Val Leu Met Phe Met Thr  
           195                  200                  205  
 Leu Leu His Phe Asp Ala Ser Phe Phe Ser Ile Val Gln Asn Ile Val  
       210                  215                  220  
 Gly His Ser Ser Asp Asp Phe Ser Gly His Trp Phe  
       225                  230                  235

<210> 319

<211> 114

<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE

<222> (2)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC\_FEATURE

<222> (114)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 319

Gly Xaa Ser Arg Arg Arg Ala Leu Pro Val Glu Ala Ala Ala Gly Ala  
   1                  5                  10                  15

Gly Ala Asp Gly Arg Glu Pro Ala Ser Glu Arg Ala Ser Arg Ala Glu  
                   20                  25                  30  
 Pro Pro Ala Val Ala Met Gly Gln Asn Asp Leu Met Gly Thr Ala Glu  
                   35                  40                  45  
 Asp Phe Ala Asp Gln Phe Leu Arg Val Thr Lys Gln Tyr Leu Pro His  
           50                  55                  60  
 Val Ala Arg Leu Cys Leu Ile Ser Thr Phe Leu Glu Asp Gly Ile Arg  
           65                  70                  75                  80  
 Met Trp Phe Gln Trp Ser Glu Gln Arg Asp Tyr Ile Asp Thr Thr Trp  
                   85                  90                  95  
 Asn Cys Gly Tyr Leu Leu Ala Ser Ser Phe Val Phe Leu Asn Leu Leu  
                   100                  105                  110

Gly Xaa

<210> 320  
 <211> 63  
 <212> PRT  
 <213> Homo sapiens

<400> 320  
 Trp Val Phe Leu Phe Leu Leu Ala Leu Gly Gly Leu Gly Pro Asp Ser  
           1                  5                  10                  15  
 Gly Arg Cys Leu Cys Arg Glu Gly Arg Ile Ser Gly Ile Tyr Gln Leu  
                   20                  25                  30  
 Ile Leu Ala Lys Gln Phe Leu Arg Phe Phe Cys Phe Met Trp Glu Thr  
           35                  40                  45  
 Asp Leu Asn Leu Ile Leu Cys Cys Ile Leu Tyr Leu Ser Cys Val  
           50                  55                  60

<210> 321  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<400> 321  
 Ser Met Ser Ala Leu Thr Arg Leu Ala Ser Phe Ala Arg Val Gly Gly  
           1                  5                  10                  15  
 Arg Leu Phe Arg Ser Gly Cys Ala Arg Thr Ala Gly Asp Gly Gly Val  
                   20                  25                  30  
 Arg His Ala Gly Gly Gly Val His Ile Glu Pro Arg Tyr Arg Gln Phe  
           35                  40                  45  
 Pro Gln Leu Thr Arg Ser Gln Val Phe Gln Ser Glu Phe Phe Ser Gly  
           50                  55                  60  
 Leu Met Trp Phe Trp Ile Leu Trp Arg Phe Trp His Asp Ser Glu Glu  
           65                  70                  75                  80  
 Val Leu Gly His Phe Pro Tyr Pro Asp Pro Ser Gln Trp Thr Asp Glu  
                   85                  90                  95

Glu Leu Gly Ile Pro Pro Asp Asp Glu Asp  
 100 105

<210> 322  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 322  
 Phe Ile Ser Phe Ala Asn Ser Arg Ser Ser Glu Asp Thr Lys Gln Met  
 1 5 10 15  
 Met Ser Ser Phe  
 20

<210> 323  
 <211> 27  
 <212> PRT  
 <213> Homo sapiens

<400> 323  
 Asp Pro Arg Arg Pro Asn Lys Val Leu Arg Tyr Lys Pro Pro Pro Ser  
 1 5 10 15  
 Glu Cys Asn Pro Ala Leu Asp Asp Pro Thr Pro  
 20 25

<210> 324  
 <211> 30  
 <212> PRT  
 <213> Homo sapiens

<400> 324  
 Asp Tyr Met Asn Leu Leu Gly Met Ile Phe Ser Met Cys Gly Leu Met  
 1 5 10 15  
 Leu Lys Leu Lys Trp Cys Ala Trp Val Ala Val Tyr Cys Ser  
 20 25 30

<210> 325  
 <211> 22  
 <212> PRT  
 <213> Homo sapiens

<400> 325  
 Met Leu Ser Ile Ser Ala Val Val Met Ser Tyr Leu Gln Asn Pro Gln  
 1 5 10 15  
 Pro Met Thr Pro Pro Trp  
 20

<210> 326  
 <211> 52  
 <212> PRT  
 <213> Homo sapiens

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (35)

&lt;223&gt; Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

&lt;400&gt; 326

Ala Ala Gly Asp Gly Asp Val Lys Leu Gly Thr Leu Gly Ser Gly Ser  
1 5 10 15Glu Ser Ser Asn Asp Gly Gly Ser Glu Ser Pro Gly Asp Ala Gly Ala  
20 25 30Ala Ala Xaa Gly Gly Gly Trp Ala Ala Ala Ala Leu Ala Leu Leu Thr  
35 40 45Gly Gly Gly Glu  
50

&lt;210&gt; 327

&lt;211&gt; 62

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (45)

&lt;223&gt; Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

&lt;400&gt; 327

Ser Thr His Ala Ser Gly Arg Ala Val Met Ala Ala Gly Asp Gly Asp  
1 5 10 15Val Lys Leu Gly Thr Leu Gly Ser Gly Ser Glu Ser Ser Asn Asp Gly  
20 25 30Gly Ser Glu Ser Pro Gly Asp Ala Gly Ala Ala Ala Xaa Gly Gly Gly  
35 40 45Trp Ala Ala Ala Ala Leu Ala Leu Leu Thr Gly Gly Gly Glu  
50 55 60

&lt;210&gt; 328

&lt;211&gt; 177

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (26)

&lt;223&gt; Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (84)

&lt;223&gt; Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

<222> (111)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 328

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Ala Ala Asp Asn Tyr Gly Ile Pro Arg Ala Cys Arg Asn Ser Ala Arg
 1          5          10          15
Ser Tyr Gly Ala Ala Trp Leu Leu Leu Xaa Pro Ala Gly Ser Ser Arg
          20          25          30
Val Glu Pro Thr Gln Asp Ile Ser Ile Ser Asp Gln Leu Gly Gly Gln
          35          40          45
Asp Val Pro Val Phe Arg Asn Leu Ser Leu Leu Val Val Gly Val Gly
          50          55          60
Ala Val Phe Ser Leu Leu Phe His Leu Gly Thr Arg Glu Arg Arg Arg
          65          70          75          80
Pro His Ala Xaa Glu Pro Gly Glu His Thr Pro Leu Leu Ala Pro Ala
          85          90          95
Thr Ala Gln Pro Leu Leu Leu Trp Lys His Trp Leu Arg Glu Xaa Ala
          100          105          110
Phe Tyr Gln Val Gly Ile Leu Tyr Met Thr Thr Arg Leu Ile Val Asn
          115          120          125
Leu Ser Gln Thr Tyr Met Ala Met Tyr Leu Thr Tyr Ser Leu His Leu
          130          135          140
Pro Lys Lys Phe Ile Ala Thr Ile Pro Leu Val Met Tyr Leu Ser Gly
          145          150          155          160
Phe Leu Ser Ser Phe Leu Met Lys Pro Ile Asn Lys Cys Ile Gly Arg
          165          170          175

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Asn

<210> 329

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> MISC\_FEATURE

<222> (7)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 329

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Cys Thr Leu Ala Met Trp Xaa Leu Gly His Cys Asp Pro Arg Arg Cys
 1          5          10          15
Thr Gly Arg Lys Leu Ala Arg Leu Gly Leu Val Arg Cys Leu Arg Leu
          20          25          30
Gly His Arg Phe Gly Gly Leu Val Leu Ser Pro Val Gly Lys Gln Tyr
          35          40          45
Ala Ser Pro Ala Asp Arg Gln Leu Val Ala Gln Ser Gly Val Ala Val

```



50 55 60  
 Ile Asp Cys Ser Trp Ala Arg Leu Asp Glu Thr Pro Phe Gly Lys  
 65 70 75

<210> 330  
 <211> 72  
 <212> PRT  
 <213> Homo sapiens

<400> 330  
 Ser Gly Arg Gly Ala Arg Ser Asp Val Thr Ala Met Ala Gly Ile Lys  
 1 5 10 15  
 Ala Leu Ile Ser Leu Ser Phe Gly Gly Ala Ile Gly Leu Met Phe Leu  
 20 25 30  
 Met Leu Gly Cys Ala Leu Pro Ile Tyr Asn Lys Tyr Trp Pro Leu Phe  
 35 40 45  
 Val Leu Phe Phe Tyr Ile Leu Ser Pro Ile Pro Tyr Cys Ile Ala Arg  
 50 55 60  
 Arg Leu Val Asp Asp Thr Asp Ala  
 65 70

<210> 331  
 <211> 32  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MISC\_FEATURE  
 <222> (5)  
 <223> Xaa equals any of the L-amino acids commonly found in naturally  
 occurring proteins

<400> 331  
 Ala Arg Val Arg Xaa Arg Gly Ala Leu Ser Leu Ser Val Gly Ala Ala  
 1 5 10 15  
 Cys Gly Leu Val Ala Leu Trp Gln Arg Arg Arg Gln Asp Ser Gly Thr  
 20 25 30

<210> 332  
 <211> 45  
 <212> PRT  
 <213> Homo sapiens

<400> 332  
 Leu Ser Asn Asn Ala Gln Asn Trp Gly Met Gln Arg Ala Thr Asn Val  
 1 5 10 15  
 Thr Tyr Gln Ala His His Val Ser Arg Asn Lys Arg Gly Gln Val Val  
 20 25 30  
 Gly Thr Arg Gly Gly Phe Arg Gly Cys Thr Val Trp Leu

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<210> 333  
 <211> 38  
 <212> PRT  
 <213> Homo sapiens

<400> 333  
 Val Ser Met Ala Leu Glu Glu Tyr Leu Val Cys His Gly Ile Pro Cys  
 1 5 10 15  
 Tyr Thr Leu Asp Gly Asp Asn Ile Arg Gln Gly Leu Asn Lys Asn Leu  
 20 25 30  
 Gly Phe Ser Pro Glu Asp  
 35

<210> 334  
 <211> 39  
 <212> PRT  
 <213> Homo sapiens

<400> 334  
 Thr Gln Asp Arg Asn Asn Ala Arg Gln Ile His Glu Gly Ala Ser Leu  
 1 5 10 15  
 Pro Phe Phe Glu Val Phe Val Asp Ala Pro Leu His Val Cys Glu Gln  
 20 25 30  
 Arg Asp Val Lys Gly Leu Tyr  
 35

<210> 335  
 <211> 40  
 <212> PRT  
 <213> Homo sapiens

<400> 335  
 Phe Thr Gly Ile Asp Ser Glu Tyr Glu Lys Pro Glu Ala Pro Glu Leu  
 1 5 10 15  
 Val Leu Lys Thr Asp Ser Cys Asp Val Asn Asp Cys Val Gln Gln Val  
 20 25 30  
 Val Glu Leu Leu Gln Glu Arg Asp  
 35 40

<210> 336  
 <211> 41  
 <212> PRT  
 <213> Homo sapiens

<400> 336  
 Ala Glu Thr Leu Pro Ala Leu Lys Ile Asn Lys Val Asp Met Gln Trp  
 1 5 10 15  
 Val Gln Val Leu Ala Glu Gly Trp Ala Thr Pro Leu Asn Gly Phe Met  
 20 25 30





Ser Leu Lys Leu Lys Lys Asp Ser Leu Gly Ala Pro Ser Arg Pro Ile  
           35                          40                          45  
 Glu Asp Asp Gln Glu Val Tyr Asp Asp Val Ala Glu Gln Asp Asp Ile  
           50                          55                          60  
 Ser Ser His Ser Gln Ser Gly Ser Gly Gly Ile Phe Pro Pro Pro Pro  
       65                          70                          75                          80  
 Asp Asp Asp Ile Tyr Asp Gly Ile Glu Glu Glu Asp Ala Asp Asp Gly  
                           85                          90                          95  
 Phe Pro Ala Pro Pro Lys Gln Leu Asp Met Gly Asp Glu Val Tyr Asp  
                           100                          105                          110  
 Asp Val Asp Thr Ser Asp Phe Pro Val Ser Ser Ala Glu Met Ser Gln  
           115                          120                          125  
 Gly Thr Asn Val Gly Lys Ala Lys Thr Glu Glu Lys Asp Leu Lys Lys  
       130                          135                          140  
 Leu Lys Lys Gln Xaa Lys Glu Xaa Lys Asp Phe Arg Lys Lys Phe Lys  
       145                          150                          155                          160  
 Tyr Asp Gly Glu Ile Arg Val Leu Tyr Ser Thr Lys Val Thr Thr Ser  
                           165                          170                          175  
 Ile Thr Ser Lys Lys Trp Gly Thr Arg Asp Leu Gln Val Lys Pro Gly  
                           180                          185                          190  
 Glu Ser Leu Glu Val Ile Gln Thr Thr Asp Asp Thr Lys Val Leu Cys  
           195                          200                          205  
 Arg Asn Glu Glu Gly Lys Tyr Gly Tyr Val Leu Arg Ser Tyr Leu Ala  
       210                          215                          220  
 Asp Asn Asp Gly Glu Ile Tyr Asp Asp Ile Ala Asp Gly Cys Ile Tyr  
       225                          230                          235                          240  
 Asp Asn Asp